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GRADUATE SCHOOL

Announcements

1951 — 1952

University Heights
Chestnut Hill 87, Massachusetts

Boston College Bulletin

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Boston College Bulletin

GRADUATE SCHOOL



1951 — 1952

Boston College

Chestnut Hill 67, Massachusetts

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CALENDAR

1951-1952

1951

- Sept. 19-22 Registration at Boston College, Chestnut Hill:
2:00-5:00 P.M., Sept. 19-21
9:00-12:00 A.M., Sept. 22.

A late registration fee of three dollars will be required of all students without exception who register after the time assigned.

- Sept. 24-29 Opening of Classes at Chestnut Hill.
Oct. 12 Columbus Day—No classes.
Nov. 1 Feast of All Saints—No classes.
Nov. 22 Thanksgiving Day—No classes
Dec. 8 Feast of the Immaculate Conception—No classes.
Dec. 15 Examination for fulfillment of the modern language requirement.
Dec. 18 Christmas holidays begin at the close of classes.

1952

- Jan. 2 Classes resumed.
Jan. 12 Last day for filing of outlines of theses for degrees to be granted in June.
Jan. 14-26 Mid-year examinations.
Jan. 23-26 Registration for the second semester.
Jan. 28-Feb. 2 Opening of classes for the second semester.
Feb. 22 Washington's Birthday—No classes.
Apr. 9 Easter holidays begin at the close of classes.
Apr. 21 Classes resumed.
Apr. 26 Examination for fulfillment of the modern language requirement.
May 10 Bound copies of theses due.
May 12-24 Final Examinations.
June 11 Commencement.

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 1951–1952

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History and Organization

Boston College has, almost since its inception, conferred the degree of Master of Arts for graduate work of not less than one year in residence and on occasions for non-resident work of conspicuous merit. From time to time formal Graduate Courses of instruction leading to the Master's and Doctor's degrees have been established to meet the demands of individuals or groups seeking these higher degrees. The Graduate School in its present form, however, is the outcome of an arrangement made with the Department of Education of the City of Boston in 1920 to provide proper training for men desirous of entering the Boston school system. This arrangement was intended only as a temporary expedient to help relieve the scarcity of men teachers after the World War. It was discontinued in 1925, and the scope of the Graduate School was extended so as to offer graduates of Boston College and similar institutions, men and women, an opportunity to continue their education along specialized lines. The Graduate School is administered by the Graduate Board composed of the President of the College, Dean of the Graduate School, and one member from each department in which graduate degrees are given. All courses are given in the College Buildings, Chestnut Hill, Massachusetts.

Admission

Admission to the Graduate School is granted to graduates in Arts, Philosophy, Science or Letters, of Colleges whose degrees are recognized by Boston College. Applicants must present satisfactory evidence of character and qualifications.

All inquiries concerning admission should be addressed to the Registrar. Applicants are advised to secure and file admission blanks as early as possible.

At least two weeks before the dates for formal registration, all new candidates must submit to the Graduate School Office an official transcript of their undergraduate record.

No student is definitely accepted as a candidate for a higher degree until his application has been accepted by the Graduate Board and his credentials have been filed in the office of the Registrar.

Students already enrolled in the School must register personally each year at the Registrar's Office, prior to the commencement of the school year.

Registration

The days assigned for formal registration are Sept. 19 to Sept. 22. Personal interviews may be had with the Dean or with the Registrar at Boston College, Chestnut Hill, on days assigned for registration. During September the office of the School in the Tower Building, Boston College, will be open every day, except Saturdays, from 3:00 to 5:00 in the afternoon.

Fees

Matriculation Fee: New Students	\$ 5.00
Old Students	2.00
Late Registration	3.00
Fee for each course per semester hour	15.00
Tuition fee for full-time students	400.00
Fee for changing course, per course	2.00
Laboratory Fee: by arrangement	
Library Fee:	
Students taking 20 or more sem. hrs.	15.00
Students taking 10-19 sem. hrs.	10.00
Students taking less than 10 sem. hrs., per sem. hr.	1.00
Late or Special Examination	3.00
Binding fee for thesis	9.00
Graduation Fee: For Master's Degree	15.00

Withdrawals and Refunds

A student who withdraws from any course must notify the Dean immediately in writing of his withdrawal. Withdrawal from the course will become effective as of the date on which the Dean receives the notice. This date also applies to refunds.

Special fees are not returnable. Tuition fees are not returnable after the first three weeks of a quarter. Students who withdraw during the first three weeks of a quarter will receive a pro rata refund.

Information

For information about the Graduate School address the Registrar of the Graduate School, Boston College, Chestnut Hill 67, Mass.

General Regulations

The Graduate School accepts properly qualified candidates for the degree of Master of Arts, Master of Science, and Master of Education.

After admission to the Graduate School, the student must spend at least one full year in residence, pursuing the courses approved by the Dean and the student's adviser. Students who are engaged in outside work which reduces the time and thought they are able to give to study will be required to devote more than the minimum time to their study for the degree.

For the Master's degree, a student must secure a minimum of thirty semester hours of graduate credit in approved courses. To receive graduate credit, a grade of B— (80-82) or better, must be attained. Not more than one-third of the work offered for a degree may be of a B— grade.

The candidate for a graduate degree must at the time of his matriculation, make choice of the department in which he wishes to do his principal or major work. In his choice of a department, the candidate is restricted to the fields of study in which he has had the necessary preparation in his college courses. In addition, the student must satisfy the special prerequisite requirements of his major department.

The entire program of studies which a student offers in fulfillment of the requirements for a degree must be satisfactorily completed within a period of six years from the date when he first registered. Should a candidate for any reason whatsoever fail to receive his degree within the time prescribed, all claim or right to continue working for the degree, or to have any or all of the work already accomplished credited in fulfillment of the requirements for the same degree, is ipso facto forfeited and annulled.

A very important part of the work for a degree is the thesis on some subject in the field of the candidate's major work. Two copies of an outline of the thesis, with the written approval of the professor under whose direction it is to be done, must be furnished to the Dean on the date indicated in the Graduate School calendar. These outlines must be submitted on the forms supplied by the Graduate School office.

No thesis will be accepted for a Master's degree which is confined to the mere compilation of facts derived from the writings of others, nor will merely literary combinations of such information be acceptable. The thesis must show originality in the treatment of the subject chosen. This original treatment must give evidence that the writer of the thesis is capable of opening a new field of investigation, or of offering such critical opinion that a real advance is made in the study of the subject treated.

In the preparation of the thesis, the candidate must observe the regulations in regard to forms of citation, footnotes, and the like, as set forth in the requirements of his major department.

Each candidate must furnish two bound typewritten or printed copies of his thesis to the College Library. These copies become the property of the College. The typewritten copies must be on paper of a uniform size of 8 inches by 10½ inches.

Written examinations in the different courses followed are required of the candidate on the completion of each course. A final, comprehensive, oral examination upon all work presented for the degree is also required.

Absence from more than fifteen percent of the lecture or seminar courses renders the candidate ineligible for credits for the course in question.

In the case of absence from a scheduled examination, arrangements to take an examination in the course in question must be made through the Dean's office. A fee of three dollars (\$3.00) will be required for such special examination.

The Degree of Master of Arts

In addition to the requirements stated above for the Master's degree, the candidate for the Master of Arts degree must give proof that he possesses the reading knowledge of one modern foreign language. A student whose major or minor work is in the field of any modern language must satisfy this requirement in some other modern foreign language.

Students are encouraged to earn all their graduate credits in one field. With the permission of the proper authorities students may earn from eight to twelve of the thirty semester hours in an additional integrated field.

The Degree of Master of Science

Candidates for the degree of Master of Science will be accepted in Biology, Chemistry, Geophysics and Physics.

In addition to the requirements stated above for the Master's degree, the candidate for the Master of Science degree must give proof that he possesses a reading knowledge of French or German. In the place of a thesis, a research problem is required of each candidate. The solution of this problem, in essay or other suitable form, must receive the approval of the head of the department in which the degree is to be received.

The Degree of Master of Education

The degree of Master of Education is intended for teachers or prospective teachers whose undergraduate work has been in the field of Education rather than of Arts or Science.

Candidates for the degree, Master of Education, may obtain it with a major concentration in guidance. To do so, candidates must earn at least eighteen credits in courses related to guidance. The following courses, carrying thirteen credits, are prescribed: Ed. 152, 245, 255, 256, and 258. The remaining credits of the concentration in guidance may be taken from the following courses: Ed. 151, 247, 251, 252, 286, 287, or a course approved by the Guidance Director. The thesis subject must pertain to the field of guidance and personnel. A Certificate in Guidance will be awarded students completing these requirements with distinction.

The requirements for this degree have been stated above. A reading knowledge of a modern foreign language is not required of candidates for this degree. The thirty semester hours of credit should be earned in the field of Education. However, a candidate may, with the approval of the Dean, offer a limited number of courses in the subject which he intends to teach.

COURSES OF INSTRUCTION

Biology (Bi.)

Chairman: REV. MICHAEL P. WALSH, S.J.

Associate Professor: LEON M. VINCENT

Assistant Professors: FRANCIS L. MAYNARD, THOMAS I. RYAN,
BERNARD J. SULLIVAN, H. MARGUERITE WEBB.

Instructor: REV. GEORGE F. LAWLOR, S.J.

Courses of Instruction

Bi. 101. Embryology.

Anatomy and physiology of reproduction; early stages of development of the chick and mammalian embryo.

Two lectures and two laboratory periods per week for one semester.

Prof. SULLIVAN

Bi. 102. Histology.

Microscopic anatomy of tissues and organs of mammalian body.

Two lectures and two laboratory periods per week for one semester.

Prof. WALSH, S.J.

Bi. 108. Microbiology.

The study of bacteria, yeasts, molds, protozoa, viruses, rickettsias; culture and staining methods, biochemical activities, infection.

Two lectures and two laboratory periods per week for one semester.

Prof. RYAN

Bi. 111-112. Comparative Anatomy.

Comparative study of five classes of vertebrates.

One lecture and three laboratory periods per week for two semesters.

Prof. LAWLOR, S.J.

Bi. 121. Histological Technique.

Fixing, dehydration, infiltration, sectioning, and staining methods of various animal tissues and organs. Assigned readings.

One lecture and two laboratory periods per week for one semester.

Prof. VINCENT

Bi. 181. Genetics.

The principles of heredity. Mendel's laws, linkage and crossing over, the physical basis of heredity, and the arrangement of the genes in the chromosomes. Sex determination, practical inbreeding and evolution will be discussed.

Two lectures and two laboratory periods per week for one semester.

Prof. WALSH, S.J.

Bi. 201. Experimental Embryology.

An experimental analysis of growth, development, and regeneration of representative animal forms.

Two lectures and two laboratory periods per week for one semester.

Prof. WEBB

Bi. 231. Invertebrate Zoology.

A study of the various classes of invertebrate animals with emphasis on their physiology and ecology.

Two lectures and two laboratory periods per week for one semester.

Prof. MAYNARD

Bi. 253-254. General Physiology.

Chemical and physical properties of protoplasm; metabolism, respiration, excretion, growth, irritability, stimulation, adjustment and behaviour.

Two lectures and two laboratory periods per week for two semesters.

Prof. SULLIVAN

Bi. 257. General Endocrinology.

Lectures and assigned readings on the morphology and physiology of the ductless glands.

Three lectures per week for one semester.

Prof. MAYNARD

Bi. 261. Parasitology.

A biological study of parasitism in various animal phyla.

Two lectures and two laboratory periods per week for one semester.

Prof. RYAN

Bi. 271. Fundamentals of Cytology.

A study of the cytoplasmic and nuclear constituents of the cell with special emphasis on mitosis and meiosis.

Two lectures and two laboratory periods per week for one semester.

Prof. WALSH, S.J.

Bi. 272. Methods of Cytological Research.

An introduction to research procedures in cytology.

One lecture and one laboratory period per week for one semester.

Prof. WALSH, S.J.

Bi. 301. Seminar.

Discussions dealing with recent developments in various fields of biology.

One period per week for two semesters.

BIOLOGY FACULTY

Bi. 303. Research.

A research problem will be assigned to the student. It must be a problem of an original nature under the direction of a member of the staff. The credit assigned will be determined by the work accomplished.

Chemistry (Ch.)

Chairman: REV. ALBERT F. MCGUINN, S.J.

Professor: DAVID C. O'DONNELL

Associate Professors: RALPH L. CARLETON, ANDRÉ J. DE BÉTHUNE

Assistant Professors: JOSEPH BORNSTEIN, THADDEUS J. DESZCZYNSKI,
PAUL M. MAGINNITY, TIMOTHY E. MCCARTHY

Instructor: TRUMAN S. LIGHT

Courses of Instruction**Ch. 111. Physical Chemical Analysis.**

A course in instrumental methods of analysis, covering the principles of colorimetry, turbidimetry, electrotitrations, pH measurement, polarography, and other instrumental methods that are currently applied to chemical analysis.

Two lectures and two laboratory periods per week for one semester.

Prof. LIGHT

Ch. 121-122. Physical Chemistry.

A theoretical and experimental study of the fundamental principles involved in chemical phenomena by the application of elements of calculus and physics. Problem work is an important feature of the course.

Three lectures and one laboratory period per week for two semesters.

Prof. DESZCZYNSKI

Ch. 142. Biochemistry.

A detailed study of proteins, carbohydrates, and fats; the normal metabolism of these substances, and the composition and function of body fluids.

Two lectures and two laboratory periods per week for one semester.

Prof. MCCARTHY

Ch. 152. Organic Chemistry of High Polymers.

A study of substances of high molecular weight, their structure, theory and methods of formation, physical properties and applications.

Two lectures per week for one semester.

Prof. O'DONNELL

Ch. 161. Qualitative Organic Analysis.

This course will treat of systematic methods for the identification of organic compounds.

One lecture and two laboratory periods per week for one semester.

Prof. O'DONNELL

Ch. 211. Advanced Quantitative Analysis.

This course will treat the fundamental chemistry of the elements from the standpoint of analysis, according to the periodic classification of the elements. Classical and recent methods of separations and analysis of the more common elements will be emphasized.

Three lectures per week for one semester.

Prof. CARLETON

Ch. 222. Atomic and Molecular Structure.

The energy levels and electronic configurations of single atoms, and of diatomic and polyatomic molecules, as derived from spectroscopy and wave mechanics. The electronic theory of valence. The dimensions and configurations of molecules from X-rays, dipole moments and electron diffraction.

Two lectures per week for one semester.

Ch. 223. Electrochemistry.

The theory of electrolysis and the galvanic cell. Faraday's Laws. Conductance and transference of solutions. The free energy of electrochemical reactions. The measurements of pH. The chemical nature of strong and weak electrolytes. Irreversible phenomena, polarization and overvoltage.

Two lectures per week for one semester.

Ch. 224. Thermodynamics.

The first and second laws of thermodynamics. The entropy and free energy. The equilibrium of chemical reactions. The third law of thermodynamics. Elementary statistical mechanics. The tabulation of entropy and free energy for chemical compounds.

Two lectures per week for one semester.

Ch. 225. Reaction Kinetics and Surface Chemistry.

First, second and third order reactions. The Arrhenius Equation and the energy of activation. The theory of absolute reaction rates. The properties of surfaces. Absorption and catalysis. The colloidal state.

Two lectures per week for one semester.

Ch. 226. Physical Chemistry of High Polymers.

The size of macro molecules. Mechanical properties and viscosity. The thermodynamics and statistical mechanics of high polymer systems. Copolymerization.

Two lectures per week for one semester.

Ch. 228. Differential Equations for Chemists.

A treatment of the solution of ordinary and partial differential equations with numerous applications to Chemistry.

Two lectures per week for one semester.

Ch. 232. Advanced Inorganic Chemistry.

A precise and thorough examination of the physical and chemical properties of the elements and their compounds, presented in a correlative manner.

Two lectures per week for one semester.

Ch. 241. Biochemistry of Amino Acids and Proteins.

A study of the discovery, isolation, synthesis, reactions and intermediary metabolism of amino acids, and the structure and properties of proteins.

Two lectures per week for one semester.

Prof. MCCARTHY

Ch. 242. Biochemistry Laboratory.

A laboratory study of proteins and amino acids, including isolation, purification, analysis, and synthesis.

Two laboratory periods per week for one semester.

Prof. MCCARTHY

Ch. 253. Heterocyclic Chemistry.

A survey of the chemistry of the principle types of heterocyclic structures.

Two lectures per week for one semester.

Prof. MACINNITY

Ch. 254. Stereoisomerism.

A detailed discussion of optical inactivity and cis-trans isomerism.

Two lectures per week for one semester.

Prof. O'DONNELL

Ch. 255. Physical Organic Chemistry.

The electronic theory and mechanism of organic reactions will be stressed.

Two lectures per week for one semester.

Prof. BORNSTEIN

Ch. 256. Carbohydrates.

A discussion of the structure, formation and reaction of the various classes of carbohydrates.

Two lectures per week for one semester.

Prof. O'DONNELL

Ch. 257. Advanced Organic Synthesis: Lecture.

The more useful reactions of Organic Chemistry will be discussed in detail and with special regard to the application in solving problems in a practical manner.

Two lectures per week for one semester.

Prof. BORNSTEIN

Ch. 258. Advanced Organic Synthesis: Laboratory.

This course will deal with methods, techniques, and reactions used in the preparation of organic compounds that offer more than usual difficulty.

Two laboratory periods per week for two semesters.

Prof. BORNSTEIN

Ch. 261. Quantitative Organic Analysis.

This is a course in ultimate organic analysis, using the microtechnique.

One lecture and two laboratory periods per week for one semester.

Prof. MAGINNITY

Ch. 281. Advanced Chemical Biography.

A study of the contributions of outstanding chemists to the development of the science of chemistry.

Two lectures per week for one semester.

Prof. CARLETON

Ch. 301. Seminar.

Discussions dealing with advanced topics in different fields of Chemistry.

One period per week for two semesters.

CHEMISTRY FACULTY

Ch. 303. Research.

A laboratory research problem will be assigned, requiring a thorough literature search, followed by directed work of an original character in the laboratory. The credit assigned will be determined by the work accomplished.

CHEMISTRY FACULTY

NOTE: Supplementary courses in Physics or Mathematics may be required, dependent upon the student's grasp of these subjects.

CLASSICAL LANGUAGES

Chairman: REV. LEO P. McCAULEY, S.J.

Professors: JOSEPH P. MAGUIRE, REV. JOSEPH M. F. MARIQUE, S.J.,
REV. OSWALD A. REINHALTER, S.J.

Associate Professor: AUGUSTINE L. KEEFE

Courses of Instruction

Greek (Gk.)

Gk. 145. Greek Literature in English Translation.

Reading and study, in good English translation, of selections covering the whole field of Greek literature. The emphasis of the course will be on Greek drama.

Six semester hours.

Prof. MAGUIRE

Gk. 161. Greek Political Theory, I.

This course offers a careful study of Greek thought on government and education as expressed in the *Republic*, *Statesman*, and *Laws* of Plato.

Offered 1949-50.

Six semester hours.
Prof. MAGUIRE

Gk. 163. Greek Political Theory, II.

This course offers a careful study of Greek thought on government and education as expressed in the *Ethics* and *Politics* of Aristotle and the *Antidosis* and *Nicocles* of Isocrates.

Six semester hours.
Prof. MAGUIRE

Gk. 168. Thucydides.

A study of the Peloponnesian War, with extensive readings in Thucydides. Epigraphical evidence bearing on the text of Thucydides will also be considered.

Six semester hours.
Prof. MARIQUE, S.J.

Gk. 171. Greek Lyric Poetry.

A survey of Greek lyric poetry with selected readings from Callinus to Christian times.

Six semester hours.
Prof. McCAULEY, S.J.

Gk. 199. Readings for Prerequisites.

Assignments to be done under direction. The number of credits will depend on the judgment of the director.

Prof. McCAULEY, S.J.

Gk. 203. The History of Greek Prose.

A study of the development of Greek prose from the earliest extant remains until the time of Lucian.

Wed., 4:30-6:15.

Four semester hours.
Prof. McCAULEY, S.J.

Gk. 211. Greek History.

A survey from the earliest times to the end of the Hellenic period.

Sat., 9:00-10:45.

Four semester hours.
Prof. MARIQUE, S.J.

LATIN (Lt.)**Lt. 101. Survey of Latin Literature.**

This course offers a general view of Latin literature, affording an opportunity for extensive reading and critical appreciation of representative masterpieces from the earliest times to the end of the Silver Age.

Six semester hours.

Lt. 113. Roman Historians.

Reading and study of Sallust, Livy, and Tacitus.

Six semester hours.
Prof. McCAULEY, S.J.

Lt. 143. Roman Elegiac Poetry.

Reading and study of selections from Catullus, Propertius, Tibullus, and Ovid. This course will be supplemented by the reading and study of notable Christian hymns.

Six semester hours.
Prof. REINHALTER, S.J.

Lt. 181. Latin Composition.

This course will include a review of Latin Grammar. It is recommended for prospective Latin teachers.

Six semester hours.
Prof. KEEFE

Lt. 199. Readings for Prerequisites.

Assignments to be done under direction. The number of credits will depend on the judgment of the director.

THE DEPARTMENT

Lt. 207. Roman Literary Criticism, I.

A study of the development of Latin Prose style as indicated in the *Brutus* and *Orator* of Cicero; supplementary readings will include Tacitus' *Dialogus de Oratoribus* and Quintilian, especially Book X.

Mon., 4:30-6:15.

(1st semester)

Two semester hours.

Prof. McCAULEY, S.J.

Lt. 208. Roman Literary Criticism, II.

A study of poetic criticism as exemplified in the literary epistles of Horace, especially the *Ars Poetica*. Supplementary readings will include selections from the satires of Horace, from Petronius, Quintilian, and others.

Mon., 4:30-6:15.

(2nd semester)

Two semester hours.

Prof. McCAULEY, S.J.

Lt. 235. Plautus and Terence.

A detailed study of Plautus and Terence; the linguistic character and literary technique of these Roman writers and the character of the Roman stage will be fully discussed.

Thurs., 4:30-6:15.

Four semester hours.

Prof. McCAULEY, S.J.

Lt. 251. Cicero's Philosophical Essays.

A study of Cicero's philosophy in the light of probable Greek sources and the philosophies current in Rome in the late Republic.

Sat., 11:00-12:45.

Four semester hours.

Prof. MAGUIRE

Lt. 301. Seminar in Classical Studies.

An introduction to the methods, history, and problems of classical scholarship.

Two semester hours.

THE DEPARTMENT

ECONOMICS (Ec.)

Chairman: REV. W. SEAVEY JOYCE, S.J.

Professors: FRANZ X. K. BALLING, THAMER I. FABINYI

Associate Professors: MICHAEL ALBERY, STEPHEN J. PETERY, DONALD J. WHITE

Assistant Professors: CHARLES J. SCULLY, VINCENT P. WRIGHT

Instructors: STANLEY J. DMOHOWSKI, WILLIAM A. DYMSZA, CHRISTOPHER J. FLYNN, JR., PHILIP G. GARITY, ROBERT J. McKEON, S.J.

Lecturers: THOMAS G. DE FABINY, FRANCIS E. McELROY

Courses of Instruction

Ec. 101. Intermediate Economic Theory.

This course implements to an important degree the Principles of Economics course. It examines the determination of price and output under pure and monopolistic competition; the functional distribution of income; the nature, determination and fluctuations in the level of national income.

Mon., 7:15-9:00.

(1st semester)

Two semester hours.

Prof. JOYCE, S.J.

Ec. 121. Economic Statistics.

Statistical data and techniques; collection, tabulation, charting, tools of analysis. Special reference to their economic application. Lectures, readings, problems, laboratory work.

(1st semester)

Two semester hours.
Prof. PETERY

Ec. 145. Industrial Relations.

A study of industrial relations in commerce and industry, and an examination and appraisal of the theory, programs, and procedures of dealing with employees in organized and unorganized companies. This course will include a study of the historical background of industrial relations, an examination of employee morale, companies' objectives, policies and programs concerning industrial relations, the employment function, opportunity within employment, and developing understanding and effective foremanship.

(1st semester)

Two semester hours.
Prof. FLYNN

Ec. 148. Social Welfare.

This course is a survey of the field of social welfare, and an introduction to the profession of social work, through study and in some detail of the objectives and processes of case work, group work, community organization, social work administration, social planning and personnel. The programs of modern social work under governmental and voluntary auspices will be analyzed to evaluate their effectiveness in meeting social needs.

(2nd semester)

Two semester hours.
Prof. McELROY

Ec. 151. Government and Industry, I.

A critical analysis of the role of government in protecting, controlling and regulating business enterprises; examination and interpretation of the Inter-State Commerce Act, Federal Communications Act, Anti-Trust Laws, Fair Trade Practices Act and other national and state legislation which has an intimate bearing upon the economic life of business and the community.

(2nd semester)

Two semester hours.
Prof. GARITY

Ec. 152. Government and Industry, II.

The importance of constitutional and legal concepts in the solution of governmental economic problems will be emphasized through lecture materials, adequate readings, and problem discussions.

(2nd semester)

Two semester hours.
Prof. GARITY

Ec. 185. Accounting Principles.

Principles of bookkeeping; adjustments, preparation and analysis of working papers and statements; some aspects of system building including the voucher system.

(1st semester)

Two semester hours.
Prof. DMOHOWSKI

Ec. 186. Advanced Accounting.

Development of accounting techniques; special columns, books, and combinations. Comparative analysis of statements; special problems such as fire loss, depreciation, and inventory control.

(2nd semester)

Two semester hours.
Prof. DMOHOWSKI

Ec. 201-202. Microeconomics.

A study of selected problems of the firm, industry and consumer unit.
Mon., 4:30-6:15.

Four semester hours.
Prof. BALLING

Ec. 203. Macroeconomics.

A study of the aggregates of the economic system, their proper definitions and relationships.

Wed., 7:15-9:00.

(1st semester)

Two semester hours.

Prof. WRIGHT

Ec. 204. Economic Fluctuations.

Description, measurement and patterns of cyclical behavior. Analysis of various theories. Proposed solutions for alleviating their impact on economy.

Wed., 7:15-9:00.

(2nd semester)

Two semester hours.

Prof. WRIGHT

Ec. 205. History of Economic Thought to the Time of Smith.

Sat., 9:00-10:45

(1st semester)

Two semester hours.

Prof. JOYCE, S.J.

Ec. 206. History of Economic Thought Since the Time of Smith.

Sat., 9:00-10:45

(2nd semester)

Two semester hours.

Prof. JOYCE, S.J.

Ec. 221. Advanced Statistics, I.

Frequency analysis and time series.

Wed., 4:30-6:15.

(1st semester)

Two semester hours.

Prof. SCULLY

Ec. 222. Advanced Statistics, II.

Correlation and sampling

Wed., 4:30-6:15.

(2nd semester)

Two semester hours.

Prof. SCULLY

Ec. 223. Production Statistics.

Statistical methods for production control, time study methods, inventory control, various types of charts are discussed and developed.

Wed., 7:15-9:00.

(1st semester)

Two semester hours.

Prof. SCULLY

Ec. 224. Marketing Statistics.

Methods of survey, analysis of large sample theory, and small sample theory, correlation and confidence limits.

Wed., 7:15-9:00.

(2nd semester)

Two semester hours.

Prof. SCULLY

Ec. 241. Labor Economics, I.

An analysis of existing wage and income distribution theories as they apply to the present day American economy; Union wage policies and their impact upon the economy; an examination of the overall economic objectives of American Unionism and their possibilities within the "free enterprise system", e. g. the guaranteed wage, etc.

Tues., 7:15-9:00.

(1st semester)

Two semester hours.

Prof. WHITE

Ec. 242. Labor Economics, II.

Public policy toward the economic activities of Unions in the U. S.; disputes in "essential industries", the strike, the boycott, and other economic weapons of Unionism; national wage policies and other legislation.

Tues., 7:15-9:00.

(2nd semester)

Two semester hours.

Prof. WHITE

Ec. 251. Comparative Economic Systems.

This course will give a survey of the recent and current economic organization of society, from Liberal Capitalism through Government-controlled Capitalism to State Capitalism. The systems employed by Capitalist America, Christian Portugal, Fascist Italy, Nazi Germany and Soviet Russia will be compared, contrasted and evaluated, and possible alternatives considered.

Fri., 4:30-6:15.

(1st semester)

Two semester hours.

Prof. PETERY

Ec. 255-256. Socio-Economic Teachings of the Catholic Church.

The program for social reconstruction proposed by official and non-official authors. Also selected economic problems, e. g., capitalism, the corporation, money, social fiscal policy, etc., will be examined in the light of moral and social principles.
Mon., 7:15-9:00.

Four semester hours.
Prof. McEWEN, S.J.

Ec. 261. Money and Banking, I.

The basic principles of money and credit. Modern monetary theory. Foreign exchange. Origin, purpose and function of banking. American banking compared with foreign systems. The Federal Reserve System.

Thurs., 4:30-6:15.
(1st semester)

Two semester hours.
Prof. FABINYI

Ec. 262. Money and Banking, II.

Modern tendencies in banking in the United States and abroad. The World Bank and the International Monetary Fund.

Thurs., 4:30-6:15.
(2nd semester)

Two semester hours.
Prof. FABINYI

Ec. 268. Economic Mobilization for Crises.

The course analyzes the theory and methods of economic organization and administration used to adapt a country's economy to political and economic crises. Consideration is given particularly to the new fiscal systems, to the most modern methods of industrial and agricultural organization and administration, and to the distribution of goods. The course also deals with modern transportation, raw material, labor and social problems. The purpose of the course is to acquaint the student with the present economic condition of the world and to give the necessary explanation of governmental institutions and progress of world reconstruction.

Fri., 4:30-6:15.
(2nd semester)

Two semester hours.
Prof. PETERY

Ec. 271. International Economic Relations, I: International Trade.

Foundations and theories of international trade; balance of payments; commercial policy; foreign trade controls; commercial treaties. Critical analysis of current developments in world trade, including the International Trade Organization, European Recovery Program, state controlled trading and full employment.

Tues., 7:15-9:00.
(1st semester)

Two semester hours.
Prof. DE FABINY

Ec. 272. International Economic Relations, II: International Finance.

An historical and analytical study of international monetary problems; balance of payments, foreign exchange mechanism, gold standard, reparations, international capital movements. Examination and evaluation of governmental monetary controls and agreements. More recent developments, including the International Monetary Fund, International Bank, Anglo-American Loan, and financial aspects of European Recovery Program.

Tues., 7:15-9:00.
(2nd semester)

Two semester hours.
Prof. DE FABINY

Ec. 281. Industrial Organization and Control, I.

A study of the individual enterprise in a capitalistic economy; the nature of the corporation and the process of incorporation; the economic aspects of the corporate enterprise. Business reorganization and enterprise in the modern economy, its economic and legal aspects. Unresolved problems of corporate enterprise in the modern economy.

Thurs., 7:15-9:00.
(1st semester)

Two semester hours.
Prof. ALBERY

Ec. 282. Industrial Organization and Control, II.

A study of modern industrial organization, dealing primarily with the problems of business combination, marketing practices, and price making under quasi-monopolistic conditions. The development of public policy in the United States from common-law origins; federal and anti-trust legislation and its judicial interpretation; regulation of business practice through the Federal Trade Commission. Our traditional policy of preserving competition as a means of regulating private business compared with other systems of control.

Thurs., 7:15-9:00.

(2nd semester)

Two semester hours.

Prof. ALBERY

Ec. 291-292. Public Finance, I.

Fiscal administration, budget, public expenditure, public debt, and public revenues. Taxation. Influence of the fiscal policy upon economics and business.

Thurs., 7:15-9:00.

Four semester hours.

Prof. FABINYI

Ec. 299. Readings and Research.

Supervised direction of advanced readings. The number of credits will depend on reports, conferences, and examinations.

THE DEPARTMENT

Ec. 301. Discussion Seminar.

Discussions dealing with recent developments in various fields of economics and with applications of economic theory to current problems at home and abroad.

Tues., 4:30-6:15.

(Both semesters)

Two semester hours.

Prof. BALLING, Moderator

Ec. 303. Thesis Seminar.

Problems of research and thesis guidance. This is supplemented by individual conferences.

Four semester hours.

THE FACULTY

EDUCATION (Ed.)

Chairman: REV. CHARLES F. DONOVAN, S.J.

Professor: FERDINAND L. ROUSSEVE.

Associate Professor: REV. JAMES F. MOYNIHAN, S.J.

Assistant Professors: FRANCIS M. BUCKLEY, FRANCIS X. GUINDON, SISTER MARY JOSEPHINA, S.S.J., FRANCIS E. MURPHY, REV. EDWARD H. NOWLAN, S.J.

Lecturers: REV. GEORGE V. MCCABE, S.J., REBECCA M. MCKEON, WILLIAM J. O'KEEFE, JOHN E. O'LOUGHLIN, ALBERT G. REILLY, WILLIAM A. WELCH.

Courses of Instruction**Principles of Education****Ed. 101. Philosophy of Education, II.**

This course considers fundamental educational problems: the nature of the learner, the agencies responsible for education, the rights of parents, Church, and State regarding education, and the philosophical aspects of the curriculum and methodology. Either Ed. 101 or Ed. 205 (or a course recognized as equivalent by the Education Department) must be taken by all candidates for the Master of Education degree.

Thurs., 4:30-6:15.

(1st semester)

Two semester hours.

Prof. DONOVAN, S.J.

Ed. 108. Educational Classics.

A course combining the philosophy and history of education. Selected writings from Plato's *Republic* to Pius XI's *Divini Illius Magistri* will be analyzed and compared.

Fri., 3:30-4:20.

Two semester hours.
Prof. GUINDON

Ed. 114. Contemporary Problems in Education.

This course will consider the historical background and philosophical implications of a variety of live issues in American education, such as federal aid, religious instruction, teacher organizations, teacher strikes, and Life Adjustment Education.

Mon., 7:15-9:00.

(2nd semester)

Two semester hours.
Prof. DONOVAN, S.J.

Ed. 205. Modern Educational Thought.

A survey of twentieth century thought, with emphasis upon educational pragmatists, scientists, humanists, and Christian humanists. Either Ed. 101 or Ed. 205 (or a course recognized as equivalent by the Education Department) must be taken by all candidates for the Master of Education degree. Ed. 101 is a prerequisite for Ed. 205.

Thurs., 4:30-6:15.

(2nd semester)

Two semester hours.
Prof. DONOVAN, S.J.

Ed. 209. Religion and Spiritual Values in American Education.

A study of the historical and legal position of moral and religious teaching in American education. Recent proposals and debates in this field will be discussed.

Two semester hours.
Prof. DONOVAN, S.J.

Ed. 210. Education and Democracy.

A review of recent literature regarding the function of the school in society. Conflicting theories of the nature of democracy will be considered.

Two semester hours.
Prof. DONOVAN, S.J.

Ed. 212. The Jesuit Plan of a Liberal Education.

This course examines the origin, nature, and aims of the educational methods outlined in the *Ratio Studiorum*. The emphasis will be on high school teaching, with special stress upon the application of *Ratio* techniques to the American High School.

Tues., 4:30-6:15.

(1st semester)

Two semester hours.
Prof. McCABE, S.J.

Ed. 301. Methodology and Research.

An introduction to the bibliography and literature of education. Special emphasis will be placed upon techniques of writing and appraising educational research. This course is prescribed for all graduate students whose major is education and must be taken by all who have not as yet satisfactorily fulfilled this requirement.

Mon., 4:30-6:15.

(1st semester)

Two semester hours.
Prof. DONOVAN, S.J.

Ed. 303. Thesis Seminar.

The problems for research will be suited to the needs of the participants. The seminar will be supplemented by individual conferences.

Four semester hours.
EDUCATION FACULTY

History of Education

Ed. 121. History of Western Education.

A study of the social, political, cultural, and ideological influences affecting the development of Western education from the ancient Greek and Roman civilizations through the flowering of Medieval Christianity to the divergent patterns of modern education. The development of the institutional types, the contributions of leading educators, and the educational importance of historical events will be stressed.

Two semester hours.

Prof. GUINDON

Ed. 230. History of American Education.

An historical inquiry into the origin and development of the American schools, both public and private. Among the topics discussed are: Early Colonial Schools; the influence of leading educators; the evolution of new types of schools; the adjustment of schools to changing conditions; current trends in American Education.

Wed., 7:15-9:00.

Two semester hours.

(2nd semester)

Prof. GUINDON

Educational Psychology, Guidance and Personnel

N.B. Please consult page 13 for a major in the field of guidance.

Ed. 143. Psychological Problems and Background in Education.

An investigation of various problems and schools of thought in modern psychology with reference to their educational implications. Special emphasis will be given to the psychology of perception and cognition.

Two semester hours.

Prof. MOYNIHAN, S.J.

Ed. 151. Educational Tests and Measurements.

This course aims to give a treatment of the major problems of educational measurements, with emphasis on the characteristics, administration, scoring and interpretation of formal and informal tests, with practical application to classroom use. Basic techniques inherent in test construction will be discussed. *A laboratory fee of two dollars is assessed for this course.*

Wed., 4:30-6:15.

Two semester hours.

(1st semester)

SISTER MARY JOSEPHINA, S.S.J.

Ed. 152. Psychometrics.

The general aim of this course is a survey of psychological measurements dealing primarily with the construction, administration, scoring and interpretation of mental tests. Practical experience in the administration of individual mental tests will be given. A certificate of proficiency in the administration of the Stanford-Binet and the Wechsler Bellevue Intelligence Scales is given to those successfully administering and interpreting a specified number of tests.

Wed., 4:30-6:15.

Two semester hours.

(2nd semester)

SISTER MARY JOSEPHINA, S.S.J.

Ed. 153. Mental Tests.

A course, distinct from Tests and Measurements and Psychometrics, presenting a critical survey of major types of mental tests including various individual and group (intelligence) tests; tests of special abilities, academic achievement, interest and personality. There will be laboratory experiences with a large variety of specific tests. *There is a \$2.00 laboratory fee for testing materials.*

Two semester hours.

SISTER MARY JOSEPHINA, S.S.J.

Ed. 240. Growth and Development of the Elementary School Child.

In this course attention will be focused on the physical, mental, social, and moral growth of the pupil. The development of a wholesome personality and impediments to this development; with implications for effective teaching and learning, will be treated.

Mon., 3:30-4:20.

Two semester hours.

SISTER MARY JOSEPHINA, S.S.J.

Ed. 241. Problems of Social Psychology in Education and Guidance.

A study of the social aspects of human nature with special reference to problems in secondary education and guidance. The most recent techniques for studying individual and group attitudes will be discussed. Crowd psychology, social learning and motivation, the role of emotion, temperament and disposition in social relations; suggestibility, hypnotism, language, and the socially attractive personality are topics to be included.

Fri., 7:15-9:00.
(2nd semester)

Two semester hours.
Prof. NOWLAN, S.J.

Ed. 243. Educational Psychology.

A consideration of developmental tendencies, the nature and organization of intelligence, the learning process and factors influencing intelligence, motivation, transfer of training.

Sat., 11:00-12:45.
(1st semester)

Two semester hours.
Prof. BUCKLEY

Ed. 244. Modern Psychologies and Education.

Practical classroom implications of several modern psychologies, including Connectionism, Behaviorism, Gestalt, and scholastic psychology.

Two semester hours.
Prof. BUCKLEY

Ed. 245. Educational Statistics.

The purpose of this course is to develop an understanding and use of statistical procedures employed in educational problems and research. The following topics will be studied: methods of collecting and tabulating data, graphic representation, measures of central tendency and of variability, and correlation.

Fri., 4:30-6:15. (1st semester)
Mon., 4:30-6:15. (2nd semester)

Three semester hours.
SISTER MARY JOSEPHINA, S.S.J.

Ed. 247. The Dynamic Factors in Guidance.

The emotional and volitional factors in guidance. Problems of motivation, discipline, character education, school adjustment, methods of studying, rating and developing the personality.

Tues., 4:30-6:15.
(2nd semester)

Two semester hours.
Prof. MOYNIHAN, S.J.

Ed. 251. Clinical Child Guidance.

Application of psychological data and methods to clinical problems with emphasis upon the specific behavior and personality problems of childhood and adolescence. Evaluation of modern clinical procedures in diagnosis and therapy.

Wed., 7:15-9:00.
(1st semester)

Two semester hours.
Prof. MOYNIHAN, S.J.

Ed. 252. Mental Hygiene for Teachers.

The problems of personal mental hygiene in relation to borderline mental disorders and the major psychoses. Basic principles of mental hygiene. Orientation to the field of psychiatry.

Four semester hours.
Prof. MOYNIHAN, S.J.

Ed. 255. Principles and Techniques of Guidance.

The organization, principles and procedures in educational and vocational guidance. A basic course for future workers in the field of guidance.

Sat., 9:00-10:45.
(1st semester)

Three semester hours.
Prof. MOYNIHAN, S.J.

Ed. 256. The Counseling Process.

The nature of the counseling process. Theories, schools and techniques of counseling. Techniques of interviewing. Common and special counseling problems at various school levels.

Sat., 9:00-10:45.
(2nd semester)

Three semester hours.
Prof. MOYNIHAN, S.J.

Ed. 257. Group Guidance in the Elementary Grades.

Treatment of major problems, amenable to group guidance in the elementary grades. Special emphasis on the problems of study skills, remedial reading and guidance of exceptional children.

Two semester hours.
Prof. MOYNIHAN, S.J.

Ed. 258. Vocational Information and Placement.

The problems of occupational orientation. Knowledge of occupational opportunities, aptitudes and interests. Techniques of placement and personnel work.

Fri., 4:30-6:15.

(2nd semester)

Two semester hours.
Prof. BUCKLEY

Ed. 351. Seminar in Individual and Group Psychology for Teachers.

Conducted by group discussion method, the seminar will explore the varied attitudes and reactions of teachers that arise in dealing with actual classroom problems. Limited to students with a year or more of teaching experience.

By arrangement.

Three semester hours.
Prof. BUCKLEY

Ed. 353. Field Work in Guidance.

Actual field work in guidance and personnel work. The number of credits given will depend on the judgment of the director.

EDUCATION FACULTY

School Administration, Supervision and Curriculum**Ed. 161. General School Administration and Organization.**

This course will present the principles governing the organization, conduct, and administration of elementary, junior and senior high schools, and special classes. The purpose and aim of each level will be critically examined; proper integration and articulation suggested.

Fri., 4:30-6:15.

(1st semester)

Two semester hours.
Prof. WELCH

Ed. 265. Problems in Present Day School Administration.

This course will consider problems encountered by teachers, principals and superintendents in the administration of the school. Special emphasis will be placed on the relations of the teacher, pupil and parent; current classroom problems; trends in salary schedules; proper selection of supplies and equipment; and the drafting of the school department budget.

Fri., 4:30-6:15.

(2nd semester)

Two semester hours.
Prof. WELCH

Ed. 267. Legal Aspects of Public School Administration.

This course is designed to meet the everyday needs of school committees, superintendents, principals and teachers serving in the public schools of Massachusetts. It covers the entire field of statutory and case law governing the administration of these schools. Among the subjects treated are: Education as a function of state government; responsibility of the state and its municipalities respecting public education; legal status of the school committees; the authority of the School Committee, its exercise and review by the courts; financing public education; the school budget; the school curriculum; scholastic standards; school discipline; school attendance laws; the school superintendent, powers and duties; superintendency unions; relations of principals and teachers with the school committee, the superintendent, and with the pupils and their parents; authority and responsibility of principals and class room teachers; purpose and operation of the tenure law.

Thurs., 4:30-6:15.

Four semester hours.
Prof. O'KEEFE

Ed. 271. Supervision.

A course planned for supervisors, principals, and teachers interested in school administration. Supervisory problems are studied in the areas of pupil-teacher relationship, curriculum devices, modern trends of supervision, and techniques of instruction which aim to improve the teacher-learning situation.

Sat., 11:00-12:45.

(2nd semester)

Two semester hours.

SISTER MARY JOSEPHINA, S.S.J.

Ed. 273. Curriculum Development.

This course deals with the principles and problems of curriculum development. Problems of educational objectives; concepts of curriculum organization; problems of sequence; and curriculum planning and development will be analyzed critically. The major point of emphasis will be the determination of ways and means of lessening the gap between accepted theory and actual practice.

Mon., 4:30-6:15.

(2nd semester)

Two semester hours.

Prof. REILLEY

Ed. 275. The Child, Teacher, and the Curriculum in Secondary Education.

A study of the modern secondary school, emphasizing the nature of the pupil and the responsibilities of the teacher as related to the curriculum. Critical consideration will be given to traditional, integrated, and progressive curricula.

Two semester hours.

Prof. GUINDON

The Teaching Process

Ed. 181. Principles of Teaching.

The purpose of this course is to familiarize the student with acceptable methods of teaching. It begins with a discussion of the various concepts of learning. This will be followed by a critical analysis of the two major methods of teaching; the traditional assign-study-recite-test and the modern unit. The construction of units will be developed in detail. The application of both traditional and modern methods to actual classroom practice will receive special attention. This course will run for two semesters. Students must enroll for both semesters.

Sat., 9:00-10:45.

Four semester hours.

Prof. REILLEY

Ed. 185. Meeting Individual Needs of Deviate Pupils.

The purpose of this course is to acquaint teachers with current methods and materials for effective provision for the slow learner, the rapid learner, the behavior-problem child, and the physically handicapped child in the regular classroom. Each semester's work will constitute a distinct unit.

Sat., 11:00-12:45.

Four semester hours.

Prof. McKEON

Ed. 189. Effective Speech.

This course has a twofold purpose: to help teachers achieve optimum efficiency in the use of voice and diction; and to present materials and methods helpful for the improvement of pupils' speech, indicating the correlation that should exist between speech training and school subjects.

Tues., 4:30-6:15.

(2nd semester)

Two semester hours.

Prof. McCABE, S.J.

Ed. 190. The Place of Audio-Visual Aids in Education.

Demonstration lessons supplemented by discussions and readings will acquaint teachers directly with the basic principles and approved practices of audio-visual instruction. Specific information will be presented concerning the availability and employment of such newly refined teaching aids as sound films, filmstrips, glass slides, recordings and broadcasts.

Tues., 3:30-4:20.

Mon., 7:15-9:00. (1st semester)

Two semester hours.

Prof. MURPHY

Ed. 281. Special Methods in Elementary Education.

Within the past few years major advances have been made in the teaching of elementary school subjects. This course will present and analyze those changes in terms of modern education. With the exception of reading, the main elementary school subjects will be considered from the following points of view: aims; selection, organization, and grade placement of subject matter; individual differences; aids in teaching; and evaluation.

Mon., 4:30-6:15.
(1st semester)

Two semester hours.
Prof. REILLEY

Ed. 285. Reading in the Elementary School.

A detailed study of the principles, procedures, and instructional materials used in teaching the fundamentals of reading in the first six grades.

Fri., 4:30-6:15.
(1st semester)

Two semester hours.
Prof. McKEON

Ed. 286. Diagnostic and Remedial Techniques in Reading.

A course designed to present methods of analysis and correction of difficulties in reading in everyday classroom instruction. Study and discussion of remedial procedures for retarded cases.

Fri., 4:30-6:15.
(2nd semester)

Two semester hours.
Prof. McKEON

Ed. 287. Problems of Reading in the Upper Grades.

A detailed study of the problems presented by reading difficulties at the secondary school level. Discussion of the principles and procedures aimed to improve reading abilities and skills beyond the elementary school level.

Fri., 7:15-9:00.
(1st semester)

Two semester hours.
Prof. McKEON

Ed. 291. Techniques of Teaching in the Secondary School.

An analysis of the methods and practices appropriate to secondary school teaching. Among the topics emphasized are: types of learning activities; the organization of courses of instruction; specialized classroom methods; the stimulation of classroom activities; measuring the results of teaching.

Tues., 4:30-6:15.
(1st semester)

Two semester hours.
Prof. GUINDON

Ed. 293. Problems of Teaching Modern Languages.

A critical summary of the history of modern language methodology. Specific procedures in modern language teaching in American secondary schools and colleges: vocabulary, grammar, oral work, reading, writing, construction of tests, evaluation of textbooks. Includes model classes in French, German, Italian, Russian, and Spanish.

Thurs., 3:30-4:20.

Two semester hours.
LANGUAGE FACULTY

Ed. 295. Fine Arts for Classroom Teachers, I.

The meaning, spirit, and development of the forms in the pictorial and plastic arts. The fine arts in the cultural pattern. The arts in relation to the teacher and the student at various stages in the learning process.

Wed., 4:30-6:15.
(1st semester)

Two semester hours.
Prof. ROUSSEVE

Ed. 296. Fine Arts for Classroom Teachers, II.

Outstanding men and works of art as manifestations of cultural episodes: Egyptian, Mesopotamian, Early Christian, Medieval, Renaissance, and Modern. Ed. 295 is not a prerequisite for this course. Both Ed. 295 and 296 are designed to enable the teacher to make a cultural contribution through the incidental treatment of the fine arts.

Wed., 4:30-6:15.
(2nd semester)

Two semester hours.
Prof. ROUSSEVE

Ed. 305. Classroom Methods for Secondary School Teachers.**Ed. 306. Classroom Methods for Elementary School Teachers.**

The aim of this course is to acquaint the teacher in training with educational organization, classroom management and procedure, stressing actual classroom practice and problems the young teacher must solve. For student teachers there will be, in addition to class work, fifty hours of observation with written reports, and seventy-five hours of supervised teaching in selected schools. Students electing this course must either be majors in Education or must have previously earned nine undergraduate or graduate credits in Education. Students majoring in Education who elect Ed. 305 or Ed. 306 may not take more than eight credits in a minor subject.

Wed., 3:30-4:20.

Two semester hours for class work.

Four semester hours for observation and practice.

Prof. O'LOUGHLIN

SISTER MARY JOSEPHINA, S.S.J

Prof. GUINDON

ENGLISH (En.)

Chairman: REV. WILLIAM L. JOHNSON, S.J.

Professors: P. ALBERT DUHAMEL, EDWARD L. HIRSH,

REV. JOHN A. O'CALLAGHAN, S.J.

Assistant Professor: REV. THOMAS J. GRACE, S.J.

Instructors: REV. JOHN J. CADIGAN, S.J., REV. DANIEL N. DWYER, S.J.

Lecturer: REV. CAROL L. BERNHARDT, S.J.

Courses of Instruction**En. 201. Anglo-Saxon.**

This course embraces a study of the grammar of Anglo-Saxon with readings from representative literary works.

Four semester hours.

En. 202. Advanced Anglo-Saxon.

An intensive study of selected texts, such as the *Christ* and the poems of the *Exeter Book*, with reference especially to training in scholarly treatment of the text.

Four semester hours.

En. 205. Mediaeval Literature.

A study, literary rather than linguistic, of the content, forms, and major tendencies in English literature, from the beginning to 1500.

Mon., 4:30-6:15.

Four semester hours.

Prof. GRACE, S.J.

En. 207. Mediaeval Drama.

The drama of the mediaeval Church, the religious cycles, moral drama, and other dramatic manifestations down to 1500 will be studied. Problems of study of manuscripts will be investigated.

Sat., 9:00-10:45.

Four semester hours.

Prof. GRACE, S.J.

En. 211. Middle English Literature.

An introduction to the literature of 1100-1500, exclusive of the drama and Chaucer. An intensive study of selected texts, e.g., of the *Pearl*-poet or of Langland, will be made.

Thurs., 4:30-6:15.

Four semester hours.

Prof. GRACE, S.J.

En. 211. Chaucer.

A study of the works, the times and the contemporaries of Chaucer. The aim of this course is to give a knowledge of the writings of Chaucer and of the literature of Chaucerian scholarship.

Wed., 4:30-6:15.

Four semester hours.

Prof. HIRSH

En. 223. Non-Dramatic Literature of the English Renaissance.

An intensive examination of the major poets and prose writers from More to Jonson, emphasizing the cross-currents of ideas and the development of poetic forms.

Tues., 4:30-6:15.

Four semester hours.

Prof. DUHAMEL

En. 227. English Drama, 1500-1642.

A study of the literature and methods of research in the Elizabethan and Jacobean drama, exclusive of Shakespeare.

Thurs., 4:30-6:15.

Four semester hours.

Prof. JOHNSON, S.J.

En. 228. Shakespeare.

First semester: The Tragedies. A detailed study of *Othello*, *Macbeth*, *Hamlet* and *King Lear*. A reading of the other tragedies and of *Richard II* and *Richard III*.

Second semester: The Comedies. A study of the comic art of Shakespeare, with special attention to the major comedies and the Falstaff plays, and a reading of the other comedies.

Tues., 4:30-6:15.

Four semester hours.

Prof. JOHNSON, S.J.

En. 233. English Prose of the Seventeenth Century.

A detailed analysis of selected prose texts from Bacon, Milton, Dryden, and other representative writers of the period.

Sat., 9:00-10:45.

Two semester hours.

(1st semester)

Prof. DUHAMEL

En. 235. English Poetry of the Seventeenth Century.

A detailed study of the poets of the period will be made; special attention will be given to the more representative poets, such as, Donne, Herbert, Crashaw, Traherne and Vaughan. Milton will not be included in this course.

Fri., 4:30-6:15.

Four semester hours.

Prof. BERNHARDT, S.J.

En. 237. Milton.

An intensive study of Milton, his poetry and prose, and of his literary influence.

Mon., 4:30-6:15.

Four semester hours.

Prof. HIRSH

En. 247. The Age of Johnson.

A study of Johnson and his circle. An examination of the neo-classical spirit in English literature.

Sat., 11:00-12:45.

Four semester hours.

Prof. HIRSH

En. 250. The Pre-Romantic Movement.

A study of the literary movement that culminated in the great romantic poets of the early nineteenth century.

Wed., 4:30-6:15.

Two semester hours.

(1st semester)

Prof. CADIGAN, S.J.

En. 251. The Romantic Movement.

A study of the great poets of the early nineteenth century as the fulfillment of the romantic movement.

Wed., 4:30-6:15.

Two semester hours.

(2nd semester)

Prof. CADIGAN, S.J.

En. 253. Victorian Prose Writers.

Studies in the writers of English Prose from 1830 to 1890. Lectures on the essayists, Carlyle, Ruskin, Newman, Arnold, Pater; and the novelists, Dickens, Thackeray, Austen, the Brontes, Meredith, and Hardy.
Mon., 4:30-6:15.

Four semester hours.
Prof. O'CALLAGHAN, S.J.

En. 255. Victorian Poetry.

A study of the leading poets of the nineteenth century with special emphasis on Tennyson and the Brownings. The minor poets as spokesmen for their age, will also be considered.

Four semester hours.
Prof. O'CALLAGHAN, S.J.

En. 261. American Literature.

Studies in Irving, Emerson, Thoreau, Hawthorne, Melville, and James. Lectures, discussions, critical papers, and research in particular problems. Supplementary reading in other American authors.
Fri., 4:30-6:15.

Four semester hours.
Prof. DWYER, S.J.

En. 262. Modern American Poetry.

A detailed study of American poetry from Whitman to T. S. Eliot.

Four semester hours.
Prof. DWYER, S.J.

En. 291. History of English Prose, I.

A study of the development of the English language and of prose style from Alfred the Great through the foundation of the Royal Society, 1662.

Two semester hours.
Prof. DUHAMEL

En. 292. History of English Prose, II.

A study of the development of English prose style from the middle of the Seventeenth Century to the present day.

Two semester hours.
Prof. DUHAMEL

En. 293. Rhetorical Theory and Practice, 1500-1700.

A study of the important rhetorics and their influence on English Prose.

Two semester hours.
Prof. DUHAMEL

En. 294. Introduction to the Theory and Analysis of Literary Forms.

The reading and discussion of selected poems, novels, and dramas, to discover the problems involved in the understanding and appreciation of their construction and content.

Two semester hours.
Prof. DUHAMEL

En. 295. Life and Thought in English Poetry.

Among the topics to be considered in this course are: the principles of estimation and appreciation, philosophy of poetic art, science and poetry, history and fiction, intellect and emotion, religion and art.

Four semester hours.
Prof. BERNHARDT, S.J.

En. 297. Literary Criticism.

This course will consist of the reading of representative examples of theoretical and practical criticism, including Aristotle's *Poetics*, Plato's *Phaedrus*, and other essays by English, Continental, and American critics.
Thurs., 4:30-6:15.

Four semester hours.
Prof. DUHAMEL

En. 298. English Grammar, Analytical and Historical.

An introduction to the principles of general linguistics as exemplified in the development of English pronunciation, grammar, and vocabulary.

Sat., 9:00-10:45.

(1st semester)

Two semester hours.

Prof. DUHAMEL

En. 301. Bibliography and Method.

The purpose of this course is to introduce the student to the proper approach to the study of English literature. The science of bibliography, the particular value of specific works, and the handling of materials relating to chosen problems will be treated in order to assist students in preparing their theses. This course is prescribed for graduate students in the Department of English and must be taken by all who have not yet satisfactorily fulfilled this requirement.

Sat., 11:00-11:50.

Two semester hours.

Prof. JOHNSON, S.J.
and ENGLISH FACULTY

En. 303. Research and Dissertation Guidance.

Problems of research, supplemented by individual conferences.

By arrangement.

ENGLISH FACULTY

Also accepted by the English Department: Gaelic 271 and 281.

GAELIC (Gl.)

Chairman: REV. JOHN E. MURPHY, S.J.

Courses of Instruction**Gl. 1. Gaelic for Beginners.**

Elements of grammar; greetings, proverbs, short stories. This course aims to give a reading knowledge of the language and a basis for conversation in Gaelic. This course does not carry credit towards a master's degree.

By arrangement.

Six semester hours.

Prof. MURPHY, S.J.

Gl. 101. Advanced Gaelic.

Advanced grammar; idioms; translation into English; reading of modern Gaelic authors.

By arrangement.

Four semester hours.

Prof. MURPHY, S.J.

Gl. 111. Survey of Gaelic Literature to 1945.

Early pagan and Christian literature; Vision and Voyage tales; The Bards; Ruin of the literature; Hedge Schoolmasters; The Hidden Ireland; Rise of the Gaelic League. This course gives a necessary background for a true appreciation of Anglo-Irish literature.

Mon., 4:30-6:15.

Four semester hours.

Prof. MURPHY, S.J.

Gl. 271. The English Novel in Ireland.

Rise, development and literary evaluation of the novel from 1800 to 1945. The influence of history, religion, and economics on the novel will be especially stressed.

Wed., 4:30-6:15.

Two semester hours.

Prof. MURPHY, S.J.

(1st semester)

Gl. 281. Contemporary Irish Drama, 1900-1945.

Growth and success of the Irish Theatre. Background and main influence of playwrights. Important plays will be read and analyzed.

Wed., 4:30-6:15.

(2nd semester)

Two semester hours.

Prof. MURPHY, S.J.

GEOPHYSICS (Gp.)

Chairman: REV. DANIEL LINEHAN, S.J.

Professor: REV. GEORGE A. O'DONNELL, S.J.

Assistant Professor: RICHARD H. GRAHAM

Instructor: REV. JOHN F. DEVANE, S.J.

Courses of Instruction**Gp. 121. Theoretical Seismology.**

The study of earthquakes, seismometry, interpretation of seismograms, location of epicenters, microseisms and submarine explosions.

Four semester hours.

Prof. DEVANE, S.J.

Gp. 131. Physics of the Earth.

Physical phenomena in earth study. Tectonics, magnetism, gravity, telluric currents, meteorology, shape of the earth, volcanology, the age of the earth, etc.

Four semester hours.

Prof. O'DONNELL, S.J.

Gp. 141. Structural Geology.

The interpretation of rock formations caused by earth movements. Faults, folds, unconformities, stresses and strains, metamorphism. Application to the geophysicist is stressed.

Four semester hours.

Prof. LINEHAN, S.J., and Assistant

Gp. 222. Seismic Surveying.

The application of seismic methods, both reflection and refraction, to the study of subsurface structure and topography. The employment of these methods in the location of petroleum sources and for use in engineering problems.

Four semester hours.

Prof. LINEHAN, S.J., and Assistants.

Gp. 242. Regional Geology.

Special reference to North America. The areas interesting to the petroleum geologist and the engineering geologist are emphasized. The glacial geology of northern United States is studied with respect to engineering properties.

Four semester hours.

Prof. LINEHAN, S.J.

Gp. 243. Glacial Geology.

Study of glacial deposits as affecting the engineer, architect or construction engineer. Till, recent and new, location of outwash plains, glacial lake beds, water tables, etc.

Two semester hours.

Prof. LINEHAN, S.J.

Gp. 251. Geophysical Engineering.

The application of geological and geophysical methods, both electrical and seismic, to assist the engineer in the design and location of building foundations, highways, damsites, bridges, etc. The study of the strength of various soils and rocks, the location of water tables, etc.

Four semester hours.

Prof. LINEHAN, S.J., GRAHAM

Gp. 261. Electronic Laboratory Technique.

Design and construction of equipment for geophysical studies. Amplifiers, oscillographs, electrical resistivity apparatus, etc.

Four semester hours.

Prof. GRAHAM

Gp. 303. Research and Dissertation Guidance.

A research problem to determine and increase the ability of the student to do ORIGINAL WORK of an investigating nature. A formal problem will be assigned to the student by the department. Formal records must be accepted and conferences with the advisor are required.

THE FACULTY

HISTORY AND GOVERNMENT

Chairman: REV. JAMES L. BURKE, S.J.

Assistant Professors: WILLIAM M. DALY, REV. THOMAS F. FLEMING, S.J., HENRY J. McMAHON

Instructors: REV. FRANCIS J. DONOGHUE, S.J., EDWARD GARGAN, PAUL T. HEFFRON, THOMAS H. O'CONNOR

Lecturer: THOMAS H. D. MAHONEY

Courses of Instruction**HISTORY (Hs.)****Hs. 103. Greek History.**

A survey from the earliest times to the end of the Hellenic period.
Sat., 9:00-10:45.

Four semester hours.

Prof. MARIQUE, S.J.

Hs. 113. Historical Factors in Mediaeval Civilization.

A study of the contributions of political and literary personages to the civilization of mediaeval times.

Four semester hours.

Hs. 115. Mediaeval Foundations of Modern History.

Sept. 1951-Jan. 1952.

Three semester hours.

Hs. 128. Foundations of Modern European History.

A study of the capital factors in European history from 1500 to the present.
Jan. 1952-May 1952.

Three semester hours.

Hs. 131. English History to 1485.

A survey of English constitutional history to 1485, supplemented by an account of its place in the general history of England and the Continent.

Tues., 4:30-6:15.

Four semester hours.

Prof. DALY

Hs. 151. American History to 1800.

A survey of American Civilization from discovery to 1800.
Sept. 1951-Jan. 1952.

Three semester hours.

Prof. DONOGHUE, S.J.

Hs. 152. American History 1800-1865.

A survey of American Civilization from 1800 to 1865.
Jan. 1952-May 1952.

Three semester hours.

Prof. DONOGHUE, S.J.

Hs. 153. American History, 1865-1909.

A survey of American Civilization from 1865 to 1909.
Sept. 1951-Jan. 1952.

Three semester hours.

Hs. 154. Contemporary U. S. History.

A survey of American Civilization since 1909.
Jan. 1952-May 1952.

Three semester hours.

Hs. 199. Readings for Prerequisites.

A supervised reading of basic works in fields of history in which candidates are deficient. Reports are to be submitted and examinations taken. The number of credits will depend on the judgment of the director.

THE DEPARTMENT

Hs. 201. Science and Method of History.

A study and application of the scientific methodology required for gathering, assessing, synthesizing and documenting historical information. This course is prescribed for all history majors in the graduate school.

Tues., Fri., 4:30-6:15.
(1st semester)

Six semester hours.
Prof. BURKE, S.J.

Hs. 235. Seventeenth Century English History.

A study of the domestic and diplomatic history of England from 1714 to 1783.

Four semester hours.
Prof. O'CONNOR

Hs. 243. Contemporary World History.

A detailed study of select topics in European and Asiatic history since 1918.
Sept. 1951-Jan. 1952.

Four semester hours.
Prof. McMAHON

Hs. 245. History of the Far East.

A study of the governmental structure, policies, and life of the major countries of the Far East.

Thurs., 4:30-6:15.

Four semester hours.
Prof. MAHONEY

Hs. 256. U. S. History, 1730-1763.

A research study of select topics on the concluding years of the Old Colonial Policy.

Mon., 4:30-6:15.
(1st semester)

Three semester hours.
Prof. GARGAN

Hs. 257. Background of the American Revolution.

A research study of select topics from 1763-1774.

Mon., 4:30-6:15.
(2nd semester)

Three semester hours.
Prof. GARGAN

Hs. 258. American Revolution and Its Aftermath.

A research study of select topics from 1774-1789.

Wed., 4:30-6:15.
(1st semester)

Three semester hours.
Prof. GARGAN

Hs. 259. The Federalist Era, 1789-1801.

A research study of select topics.

Wed., 4:30-6:15.
(2nd semester)

Three semester hours.
Prof. GARGAN

Hs. 260. National Expansion.

A research study of select topics from 1801 to 1825.

Hs. 265. Contemporary United States History.

A lecture and workshop study of select topics in contemporaneous U. S. history.
Six semester hours.

Hs. 299. Readings and Research.

A study of source material and authoritative secondary material for a deeper knowledge of some problem previously studied.

Two, three, or four semester hours.
THE DEPARTMENT

Hs. 301. Thesis Seminar.

Direction of research problem (Sept. 1951-April 1952).

Sat., 9:00-12:00, or
by arrangement.

Six semester hours.
Profs. BURKE, S.J., GARGAN

Hs. 303. Thesis Seminar.

Direction of research problem (Sept., 1951-April, 1952).

Tues., Fri., 4:30-6:15.

Six semester hours.
Prof. GARGAN

Hs. 304. Thesis Seminar.

Direction of research problem (Jan.-May, 1952).

Tues., Fri., 4:30-6:00, or
by arrangement.

Six semester hours.
Profs. BURKE, S.J., GARGAN, McMAHON, O'CONNOR, HEFFRON

Hs. 305. Thesis Direction.

A *non-credit* course for those who have not completed thesis seminar requirements within the prescribed time.

By arrangement.

Two semester hours.
THE DEPARTMENT

GOVERNMENT (Gv.)**Gv. 121. Comparative Modern Governments.**

A comparative study of the governmental structure of leading national states.

Sept., 1951-May, 1952
Sat., 9:00-10:45.

Six semester hours.
Four semester hours.
Prof. HEFFRON

Gv. 153. International Organization and Policy.

A study of current international organization and policy.

Sept., 1951-Jan., 1952.

Three semester hours.
Prof. BURKE, S.J.

Gv. 199. Readings for Prerequisites.

A supervised reading of basic works in areas of government in which the candidates may be deficient. Reports are to be submitted, oral interviews conducted, and examinations taken. The number of credits will depend on the judgment of the director.

Prof. BURKE, S.J.

Gv. 201. Problems in American National Government.

Lectures, readings, reports on federalism, political parties, pressure groups.

Sept., 1951-Jan., 1952.

Three semester hours.
Prof. FLEMING, S.J.

Gv. 203. The Legislative Process.

Current problems of congressional organization and tactics.

Jan.-May, 1952.

Three semester hours.
Prof. FLEMING, S.J.

Gv.205. Public Administration.

A study of methods by which administrative services are selected, organized, and coordinated.

Sept., 1951-May, 1952.

Six semester hours.
Prof. FLEMING, S.J.

Gv.213. American Constitutional Law.

A case and historical study of judicial review with special study of national commerce power, state police power, and the bill of rights.

Sept., 1951-May, 1952.

Six semester hours.
Prof. BURKE, S.J.

Gv.291. Historical Foundations of Political Science.

A study and application of the scientific methodology required for gathering, assessing, synthesizing and documenting the historical data needed in the study of political science.

Tues., Fri., 4:30-6:15.

(1st semester)

Six semester hours.
Prof. BURKE, S.J.

Gv.299. Readings and Research.

A directed study of bibliographical, source and authoritative secondary material for a deeper knowledge of some problem previously studied. The number of credits will depend on reports, conferences and examinations.

Profs. BURKE, S.J., and HEFFRON

Gv.301. Thesis Seminar.

Direction of thesis research (Sept., 1951-April, 1952).

Sat., 9:00-12:00, or

by arrangement.

Three or six semester hours.
THE DEPARTMENT

Gv.304. Thesis Seminar.

Direction of thesis research (Jan.-May, 1952).

Tues., Fri., 4:00-6:15 (2nd semester) or

by arrangement.

.....
Six semester hours.
THE DEPARTMENT

Gv.305. Thesis Direction.

A *non-credit* course for those who have not completed thesis seminar requirements within the prescribed time.

By arrangement.

Two semester hours.
THE DEPARTMENT

MATHEMATICS (Mt.)

Chairman: REV. GEORGE A. O'DONNELL, S.J.

Professors: HANS G. HAEFELI, RENE J. MARCOU

Associate Professor: REV. ANTHONY J. EIARDI, S.J.

Assistant Professor: ABDELNOUR S. THOMAS

Courses of Instruction**Mt.111-112. Higher Algebra.**

Complex numbers, progression, rational fractions, determinants, theory of equations, series, permutations, combinations, and probability.

Six semester hours.

Mt.114. Linear Algebra.

Vectors, matrices, determinants, transformations, quadratic forms and applications.

Six semester hours.
Prof. EIARDI, S.J.

Mt. 135-136. Introduction to Higher Geometry.

Projective geometry, synthetically and analytically treated, elements of non-euclidean and differential geometry.

Six semester hours.

Prof. HAEFELI

Mt. 143-144. Advanced Calculus.

Concepts of limit, continuity, derivative and differential, functions of several variables and partial differentiation, Riemann definite integral and its application, multiple and line integrals, infinite series and their application, improper integrals.

Six semester hours.

Prof. ELARDI, S.J.

Mt. 150. Partial Differential Equations of Physics.

The equations of Poisson and Laplace, the Wave equation, generalized (curvilinear) coordinate transformations, Fourier's series, Bessel's functions, Legendre's polynomials, orthogonal functions.

Three semester hours.

Prof. MARCOU

Mt. 151. Vector Analysis.

Fundamental operations, calculus of vectors, operator Del, theorems of Green, Stokes, and Gauss.

Three semester hours.

Prof. MARCOU

Mt. 171. Mathematical Statistics, I.

Representation of data, measures of central tendency and variability, linear regression and correlation, correlation from ranks, a priori probability, probability functions, the binomial distribution and Bernoulli's theorem.

Three semester hours.

Prof. THOMAS

Mt. 172. Mathematical Statistics, II.

Moment-generating functions, the normal, Poisson, t , F , chi-square and other distributions. *Prerequisite*: Mathematical Statistics, I.

Three semester hours.

Prof. THOMAS

Mt. 173. Mathematical Statistics, III.

Non-linear regression and correlation; introduction to multiple and partial correlation, and the analysis of variance and covariance. *Prerequisite*: Mathematical Statistics, II.

Three semester hours.

Prof. THOMAS

Mt. 176. Finite Differences.

Introduction to the calculus of finite differences with application* to interpolation and allied problems, and an introduction to difference equations.

Three semester hours.

Prof. THOMAS

Mt. 211. Modern Algebra.

Selected topics in algebra: the factorization and congruence theories for integers and polynomials; properties of groups, rings, integral domains, and fields; vector spaces; linear algebras; lattice concepts; ideals and difference rings; Galois theory; elements of algebraic number theory.

Sat., 9:00-11:15.

Six semester hours.

Prof. HAEFELI

Mt. 225. Topology.

The basic concepts of Topology; topological spaces; applications.

Six semester hours.
Prof. HAEFELI

Mt. 231. Differential Geometry.

A study of the differential geometry of curves and surfaces in ordinary space. Differential invariants. Frenet's formulae.

Six semester hours.
Prof. MARCOU.

Mt. 243. Riemannian Geometry and Tensor Calculus.

The study of determinants, matrices, functional determinants and matrices: vectors, covariant, contravariant, mixed tensors; the Riemannian metric; Christoffel symbols; covariant differentiation; the Ricci tensor and the curvature of Riemannian space hypersurfaces.

Mon., Wed., 3:45-5:00.

Six semester hours.
Prof. MARCOU

Mt. 245. Integral Equations.

The classical theory of linear integral equations as developed by Volterra, Fredholm and Hilbert will be presented together with applications to mathematical physics.

Six semester hours.
Prof. HAEFELI

Mt. 250. Selected Topics in Applied Mathematics.

The Fourier Integral; Legendre Associated Polynomials; Shroedinger wave equation; polynomials of Hermite and Laguerre; Hamilton's principle; the equations of Lagrange and Hamilton.

Fri., 4:00-6:15.

Six semester hours.
Prof. MARCOU

Mt. 261. Theory of Functions of a Complex Variable.

The following topics will be treated; complex number system; limits; continuity; differentiation and integration; transformations; series; residues; multiple-valued functions and Riemann Surfaces.

Mon., Wed., 5:00-6:15.

Six semester hours.
Prof. HAEFELI

Mt. 263. Theory of Functions of a Real Variable.

The presentation and formulation of the concepts of infinitesimal analysis more precise than the intuitive treatment in elementary calculus. The topics considered are: real numbers point sets; limits of sequences and functions; continuity, properties of differentials; theory of Riemann, Stieltjes and Lebesgue integration.

Six semester hours.

Mt. 265. Elliptic Functions.

The periodicity of simple periodic functions; double periodic functions; general theory of Weierstrassian functions.

Three semester hours.
Prof. O'DONNELL, S.J.

Mt. 281. Introduction to the Laplace Transform.

The Laplace transform, its inverse, and applications to simple functions. The Laplace transforms of integro-differential equations in one independent variable, of algebraic rational fractions. Solution of one dimensional problems in electrical and mechanical systems. Properties of the Laplace transform.

Four semester hours.

Prof. MARCOU

Mt. 301. Seminar.

Problems of research and thesis guidance, supplemented by individual conferences.

THE FACULTY

PHILOSOPHY (Pl.)

Chairman: REV. ALEXANDER G. DUNCAN, S.J.

Professors: REV. FRANCIS FLAHERTY, S.J., REV. JOSEPH P. KELLY, S.J.,
JOSEPH P. MAGUIRE

Associate Professor: REV. JOHN A. MCCARTHY, S.J.

Assistant Professor: REV. EDWARD J. KEATING, S.J.

Instructor: ALBERT M. FOLKARD

Lecturer: REV. JOHN A. HINCHEY, S.J.

Courses of Instruction**Pl. 91. Fundamental Philosophy, I.**

This course offers a treatment of the more important problems of general and special metaphysics to students who lack prerequisites for graduate work in Philosophy. Enrollment is limited to students who wish to major in Philosophy in the Graduate School.

By arrangement.

Four semester hours.

Pl. 92. Fundamental Philosophy, II.

This course offers an introduction to Philosophy and a study of the more important sections of Logic and Ethics to students who lack prerequisites for graduate work in Philosophy. Enrollment is limited to students who intend to major in Philosophy in the Graduate School.

By arrangement.

Four semester hours.

Pl. 141. St. Thomas and the Philosophy of Man.

A course on the nature of man as exemplified in the psychological writings of St. Thomas. Pertinent passages from the *Summa Theologica* and the *Summa Contra Gentiles* will be examined.

To be offered 1952-53.

Four semester hours.

Prof. MCCARTHY, S.J.

Pl. 143. God in the Philosophy of St. Thomas.

Selections from the writings of St. Thomas on the existence and attributes of God.

Tues., 4:30-6:15.

Four semester hours.

Prof. MCCARTHY, S.J.

Pl. 173. History of Mediaeval Philosophy.

The history of philosophy from St. Augustine to William of Ockam will be treated. Emphasis will be placed on the origin, growth and full development of Scholasticism.

Tues., (1st sem.) 2:25-4:15.

Four semester hours.

Fri., (2nd sem.) 4:30-6:15.

Profs. FLAHERTY, S.J., KELLY, S.J.

Pl. 175. History of Modern Philosophy.

Beginning with Renaissance, the history of philosophy will be traced through Kant to contemporary philosophers.

Thurs., 4:30-6:15.

Four semester hours.

Prof. DUNCAN, S.J.

Pl. 201. St. Augustine: De Civitate Dei.

A reading and analysis of the text of *The City of God*, both the Latin original and English translations. Special attention will be given to the separation of the temporary from the timeless and to a discussion and application of St. Augustine's fundamental principles to our times.

Fri., 2:25-4:15.

Two semester hours.

(2nd semester)

Prof. HINCHEY, S.J.

Pl. 205. Plato.

A detailed analysis of his two major works, *The Republic* and *The Laws*, with study also of his dialogues, *Meno*, *Timaeus*, etc. The rise and development of Neo-Platonism, culminating in Plotinus, will be treated.

Mon., 4:30-6:15.

Four semester hours.

Prof. FOLKARD

Pl. 207. Aristotle.

A close study of the *Physics* and *Metaphysics*, with additional reading in related works of Aristotle, Plato and the Pre-Socratics.

To be offered 1952-53.

Four semester hours.

Prof. MAGUIRE

Pl. 209. Aristotle.

The Ethical and Political Thought found in Aristotle's *Nicomachean Ethics* and *Politics* will be analyzed and evaluated.

Wed., 4:30-6:15.

Four semester hours.

Prof. MAGUIRE

Pl. 211. Spinoza.

A critical examination of his *Ethics*.

Wed., 2:25-4:15.

Two semester hours.

(2nd semester)

Prof. KEATING, S.J.

Pl. 213. Kant's Theory of Knowledge.

A critical exposition of Kant's theory of knowledge as presented in his *Critique of Pure Reason*. After an explanation of Kant's influence on modern thought, the *a priori* forms of space and time, the categories of the understanding, phenomena and noumena, synthetic *a priori* judgments, and the transcendental unity of apperception, a detailed criticism of the theory will be presented.

Fri., 2:25-4:15.

Two semester hours.

(1st semester)

Prof. HINCHEY, S.J.

Pl. 251. Roman Philosophy.

A study of Cicero's personal philosophy in the light of his probable Greek sources and the philosophies current in Rome in the late Republic.

Sat., 11:00-12:45.

Four semester hours.

Prof. MAGUIRE

Pl. 261. The Problem of Cognition.

Some contemporary theories will be treated in the writings of Bergson, James, Piaget, Spearman, Meyerson, and G. Marcel.

Wed., 2:25-4:15.

(1st semester)

Two semester hours.

Prof. KEATING, S.J.

Pl. 263. The Problem of Induction.

The origin of the first principles of science is studied from an historical point of view. Beginning with Aristotle, the problem is traced through the medieval scholastics and modern philosophers down to the present time.

To be offered 1952-53.

Two semester hours.

Pl. 291. Scholastic Philosophy and Modern Science.

A study of some philosophical trends among modern scientists over the past half century. Subjects for discussion are: space, time, causality, teleology, and creation. Emphasis will be placed on the methodology of both Philosophy and Science and on the cognitional value of both branches of sciences.

Fri., 4:30-6:15.

(1st semester)

Two semester hours.

Prof. KELLY, S.J.

Pl. 293. Methodology.

A study and application of the scientific methodology required for gathering, assessing, synthesizing and documenting the historical data needed in the study of Philosophy.

Tues., Fri., 4:30-6:15.

(1st semester)

Six semester hours.

Prof. BURKE, S.J.

Pl. 295. Catholic Social Philosophy.

The program for social reconstruction proposed by official and non-official authors. Also selected economic problems, e.g. capitalism, the corporation, money, social fiscal policy, etc. will be examined in the light of moral and social principles.

Mon., 7:15-9:00.

Four semester hours.

Prof. McEWEN, S.J.

Pl. 299. Readings and Research.

A study of source material and authoritative secondary material for a deeper knowledge of some subject previously studied. The number of credits will depend upon reports and examinations.

PHYSICS (Ph.)

Chairman: REV. JOHN A. TOBIN, S.J.

Professor: FREDERICK E. WHITE

Associate Professors: REV. JAMES J. DEVLIN, S.J.,

RICHARD E. DOWNING, JOHN L. SHORK

Assistant Professors: JOHN J. POWER, REV. JAMES W. RING, S.J.

Instructors: GLENN S. LARSON, DONALD R. McMORROW, ROGER P. VANCOUR

Courses of Instruction**Ph. 111. Theoretical and Applied Mechanics.**

The mathematical treatment of the mechanics of a particle and rigid bodies; the properties of elastic bodies; impulse and momentum; periodic motion.

Three lectures and one laboratory period per week for one semester.

Prof. WHITE

Ph. 122. Acoustics.

A study of the theory of vibration and sound from a modern viewpoint. This course will afford many examples of the method of Theoretical Physics. Special attention will be given to the theory and design of modern sound apparatus used in Electronics.

Three lectures and one laboratory period per week for one semester.

Prof. WHITE

Ph. 132. Heat and Thermodynamics.

This course gives a mathematical discussion of the generation of heat, thermometry, dilution, calorimetry, radiation, conduction, thermodynamics, the Kinetic Theory of Gases.

Three lectures and one laboratory period per week for one semester.

Profs. DEVLIN, S.J., POWER

Ph. 141. Physical Optics.

This course presents a mathematical study of wave motion. Huyghen's Principle, dispersion, interference, diffraction, polarization, electro-magnetic theory of light, Quantum Theory.

Three lectures and one laboratory period per week for one semester.

Prof. DEVLIN, S.J.

Ph. 143. Geometric Optics.

The study of fundamentals of geometric optics, image formation by lenses and mirrors, defects of lenses, and testing of optical parts. The theory and use of telescopes, periscopes, range finders, etc.

Two lectures and one laboratory period per week for one semester.

Prof. DEVLIN, S.J.

Ph. 151-152. Electricity and Magnetism.

A development of the basic principles of electric, magnetic, and electromagnetic theory. Special emphasis is given to field and potential theory; direct current circuits; alternating current theory; electromagnetic relations; radiation and the basic principles of electronics.

Three lectures and one laboratory period per week for two semesters.

Profs. RING, S.J., McMORROW

Ph. 162. Introduction to Electronics.

Radio transmitting and receiving systems, including radio aids to navigation and aviation: the vacuum tube as an oscillator, amplifier, rectifier, modulator, and demodulator.

Three lectures and one laboratory period per week for one semester.

Profs. DOWNING, McMORROW

Ph. 196. Electrical Instruments.

Instruction in the use of electrical instruments for current, voltage and power, measurements over a wide range of frequencies and the calibration of these instruments.

Two lectures and one laboratory period per week for one semester.

Prof. SHORK

Ph. 195. Nuclear Physics.

A study of electromagnetic radiation and charged particles, the structure of the atom and the properties of electrons, positrons, protons, neutrons and photons, radioactivity and nuclear structure.

Two lectures per week for one semester.

Prof. TOBIN, S.J.

Ph. 201-202. Theoretical Physics.

Concepts of mechanics, straight line motion of particle including oscillations, operational methods, motion of a particle in a plane, Lagrange's equations and generalized coordinates, Hamilton's canonical equations, and transformation theory. Dynamics of a rigid body, physics of continuous media, the electromagnetic field, electron theory and dispersion.

Three lectures per week for two semesters.

Prof. WHITE

Ph. 211-212. Mathematical Physics.

The study of some of the topics of higher mathematics which are fundamental for advanced work in Physics. Stress is laid on the techniques of problem solving.

Two lectures per week for two semesters.

Profs. DOWNING, WHITE

Ph. 245-246. Spectroscopy.

This course will consider the theory of line spectra with reference to atomic structure. Lectures will also include the types of instruments and the various techniques used in taking line spectra, molecular spectra and molecular structure. The methods of applied spectroscopy including infrared and absorption spectroscopy.

Three lectures and one laboratory period per week for two semesters.

Prof. DEVLIN, S.J.

Ph. 261-262. Electronics.

Gaseous and thermionic conduction, circuit elements, vacuum tubes, free and forced vibrations, thermionic and ionic oscillators, receivers, rectifiers and amplifiers, modulation, regeneration, demodulation, amplification, rectification of commercial frequencies, transmitting and receiving systems for high and ultra-high frequencies, and radiations of energy.

Three lectures and one laboratory period per week for two semesters.

Prof. DOWNING

Ph. 263-264. Electromagnetic Theory.

The study of electrostatic fields, dielectric and electrical energy, magnetic fields of magnets and currents, radiation and propagation of waves. Maxwell's equations and the Poynting vector with their application to reflection and refraction of waves through different media, Fresnel's formulae, Brewster's angles and the Zeeman effect.

Three lectures per week for two semesters.

Prof. McMORROW

Ph. 271-272. Advanced Acoustics.

The study of the basic facts underlying acoustic measurement and the details of representative acoustic apparatus. Special attention will be given to electroacoustic measurements and to the theory of selected acoustic phenomena.

Prerequisite: Ph. 122 or its equivalent.

Three lectures and one laboratory period per week for two semesters.

Profs. WHITE, LARSON

Ph. 281-282. Quantum Mechanics.

Mathematical preliminaries, Schrodinger wave mechanics applied to important systems, the momentum methods, the Heisenberg matrix method, the Dirac symbolic method, the Pauli and Dirac theories of electron spin.

Three lectures per week for two semesters.

Prof. WHITE

Ph. 295-296. Atomic Physics.

This course will consider the atomistic structure of matter, and the properties of atoms and elementary particles. It will include ionization and X-ray apparatus, and the theory of the structure of matter, radioactivity and Cosmic Rays, and the theory of nuclear structure.

Two lectures per week for two semesters.

Prof. VANCOUR

Ph. 301-302. Seminar.

A discussion of selected topics from Modern Physics.
One seminar per week for two semesters.

THE FACULTY

Ph. 303-304. Research.

A research problem to determine and increase the ability of the student to do original work of an investigating nature. A formal problem will be assigned to the student by the department. Formal records must be accepted and conferences with the advisor are required.

THE FACULTY

ROMANCE LANGUAGES

Chairman: REV. JOSEPH D. GAUTHIER, S.J.

Professors: VINCENT A. McCROSSEN, ERNEST A. SICILIANO

Associate Professor: ANDRÉ DE BEAUVIVIER

Assistant Professor: PAUL L. RYAN

Instructors: MICHEL J. BEAUCHEMIN, GILLES LEDOUX

Courses of Instruction**FRENCH (Fr.)****Fr. 101 (201). History of French Literature.**

A general view of French literature, dealing with the more important writers and literary movements.

Six semester hours.

Fr. 131 (231). French Civilization under Louis XIV.

The social and intellectual life of France under Louis XIV as seen in the work of Boileau, La Bruyere, La Fontaine, Mme de Sevigne.

Six semester hours.

Fr. 153 (253). Romanticism in France.

The Romantic Movement in France: its doctrine, its major exponents, its influence on the literature of the nineteenth century. *Conducted in French.*

Wed., 4:30-6:15.

Four semester hours.

Prof. LEDOUX

Fr. 155 (255). Modern Christian Revival in French Literature.

The Revival will be studied from its birth in the middle years of the nineteenth century up to the present, as represented by a selected group of typical writers in prose, drama, and lyrics. *Conducted in French.*

Sat., 9:00-10:45.

Four semester hours.

Prof. McCROSSEN

Fr. 163 (263). Contemporary French Literature.

This course deals with the chief dramatic, narrative, and lyric literature of France from the beginning of the twentieth century to 1940. There will be lectures and discussions of the most representative literary productions of that period. *Conducted in French.*

Mon., 4:30-6:15.

Four semester hours.

Prof. GAUTHIER, S.J.

Fr. 181. Advanced Composition and Conversation.

Practice in composition, both oral and written, to enable the student to acquire ease and fluency in the expression of idiomatic French.

Six semester hours.

Prof. BEAUCHEMIN

Fr. 201. History of the French Language.

An introduction to the study of the formation of the language, evolution from the low Latin to modern French, transformations in the various centuries.

Four semester hours.

Fr. 209. Introduction to Language.

A survey of the basis of human speech, the origin and nature of language, the causes of language change, and the development of language families and standardized languages.

Four semester hours.

Fr. 211. French Civilization of the Middle Ages.

A study of the transformation from the fall of the Roman Empire to the Reformation: social, economic, literary, artistic and religious influences which fashioned French civilization. *Conducted in French.*

Four semester hours.

Fr. 221. The Renaissance in France.

The causes, character and progress of the Renaissance in France. The Pleiade and the transformation of the French lyric ideal; the birth of regular French tragedy; oratory, essay, and satire. *Conducted in French.*

Four semester hours.

Fr. 223. Rabelais.

The man: background and his friends; the writer: moralist and humanist. A detailed study of *Gargantua* and *Pantagruel*. *Conducted in French.*

Two semester hours.

Fr. 233. La Fontaine.

The man: background and his friends; the writer: moralist and humanist. The *Fables* studied in the light of the seventeenth century. *Conducted in French.*

Two semester hours.

Fr. 234. Forerunners of the Eighteenth Century.

Fontenelle, Bayle, Houdard de la Motte, Abbe de Saint-Pierre; four precursors of the eighteenth century. *Conducted in French.*

Two semester hours.

Fr. 241. French Literature of the Eighteenth Century.

This course will treat of the social, philosophical, scientific and literary trends of the Century, with particular attention to the works of Montesquieu, Voltaire, Diderot, Marivaux, Rousseau and Beaumarchais. *Conducted in French.*

Four semester hours.

Fr. 243. Fénelon.

Literary, educational and religious ideas, studied in *Telemaque* and *Lettre a l'Academie*. *Conducted in French.*

Two semester hours.

Fr. 244. Voltaire and the Encyclopedists.

Biography, education, influences, philosophy, ideas. A brief survey of the Encyclopedists and their influence. *Conducted in French.*

Two semester hours

Fr. 251. French Literature After 1850.

The late Romantic period, the Realistic and symbolistic movements. *Conducted in French.*

Four semester hours.

Fr. 271. French Lyric Poetry.

This course will include a discussion of lyric poetry and its laws, a survey of the canons of literary criticism, and a detailed study of the ode. Texts of the lyric poets from Charles d'Orleans to Paul Claudel will be studied. *Conducted in French.*

Four semester hours.

Fr. 273. French Folklore.

An introduction to the study of folklore; tales, songs, proverbs, variations of folk-tales. A study of the more popular folk-tales. *Conducted in French.*

Four semester hours.

Fr. 275. Historical Background of French Literature.

A study of the outstanding historical moments which have helped to give France her important place in world civilization.

Six semester hours.

Fr. 277. Comparative Modern European Literature.

French, Spanish, Italian, German, Scandinavian, Slavonic and Hungarian authors. Open to qualified graduate students. No language prerequisite required.

Four semester hours.

Fr. 301. Methodology and Research.

The science of bibliography, the particular value of specific works, and the handling of materials relating to chosen problems will be treated to assist students in preparing their theses. This course is required of all students with a major in French. Sat., 11:00-12:45.

(1st semester)

Two semester hours.

Prof. GAUTHIER, S.J.

Fr. 302. Problems of Teaching Modern Languages.

A critical summary of the history of modern language methodology. Specific procedures in modern language teaching in American secondary schools and colleges: vocabulary, grammar, oral work, reading, writing, construction of tests, evaluation of textbooks. Includes model classes in French, German, Italian, Russian, and Spanish. Thurs., 3:30-4:20.

Two semester hours.

THE FACULTY

Fr. 303. Problems of Research, Supplemented by Individual Conferences.

By arrangement.

THE FACULTY

SPANISH (Sp.)**Sp. 101 (201). History of Spanish Literature.**

A general view of Spanish literature, dealing with the more important writers and literary movements.

Six semester hours.

Sp. 131 (231). Literature of the Golden Age.

The purpose of this course is to acquaint the student with the classical literature of Spain. *Conducted in Spanish.*

Six semester hours.

Sp. 153 (253). Romanticism in Spain.

The Romantic movement in Spain: its doctrine, its major exponents, its influence on the literature of the nineteenth century. *Conducted in Spanish.*

Tues., 4:30-6:15.

Four semester hours.

Prof. SICILIANO

Sp. 181 (281). Advanced Composition and Conversation.

Practice in composition, both oral and written, to enable the student to acquire ease and fluency in the expression of idiomatic Spanish.

Six semester hours.

Sp. 193 (293). Latin-American Civilization and Culture.

A course on the development of Latin-American literature and civilization, with special emphasis on the culture of the Spanish-American republics.

Three semester hours.

Sp. 209. Introduction to Language.

Survey of the basis of human speech, the origin and nature of language, the causes of language change, and the development of language families and standardized languages.

Four semester hours.

Sp. 223. Spanish Mystics.

The religious poems of Berceo, Fray Luis de Leon, Fray Luis de Granada, San Juan de la Cruz, Santa Teresa de Jesus. *Conducted in Spanish.*

Two semester hours.

Sp. 225. The Picaresque Novel in Spanish Literature.

Type of the picaresque novel; its origin, development and influence on present-day literature.

Thurs., 4:30-6:15.

Four semester hours.

Prof. RYAN

Sp. 227. Cervantes and *Quijote*.

Spain in the XVIth and XVIIth centuries. Cervantes' life. Evolution of the *Quijote*.

Sat., 9:00-10:45.

Four semester hours.

Prof. RYAN

Sp. 233. Calderon.

His life and works. Contribution to the Spanish theatre. The history of the important *auto sacramental*. *Conducted in Spanish.*

Four semester hours.

Sp. 275. Historical Background of Spanish Literature.

The outstanding historical moments that have influenced the literary excellence of the Spanish writers.

Six semester hours.

Sp. 277. Comparative Modern European Literature.

French, Spanish, Italian, German, Scandinavian, Slavonic and Hungarian authors. Open to any qualified graduate student. No language prerequisite required.

Four semester hours.

Sp. 301. Methodology and Research.

The science of bibliography, the particular value of specific works, and the handling of materials related to chosen problems will be treated to assist students in preparing their theses. This course is required of students with a major in Spanish.

Sat., 11:00-12:45.

Two semester hours.

(1st semester)

Prof. GAUTHIER, S.J.

Sp.302. Problems of Teaching Modern Languages.

A critical summary of the history of modern language methodology. Specific procedures in modern language teaching in American secondary schools and colleges: vocabulary, grammar, oral work, reading, writing, construction of tests, evaluation of textbooks. Includes model classes in French, German, Italian, Russian, and Spanish. Thurs., 3:30-4:20.

Two semester hours.

THE FACULTY

Sp.303. Spanish Seminar.

Problems of research, supplemented by individual conferences.
By arrangement.

THE FACULTY

SOCIOLOGY (Sc.)

Chairman: REV. JOHN C. O'CONNELL, S.J.

Assistant Professor: REV. JOHN J. MORIARTY, S.J.

Lecturer: HELEN M. HEFFERNAN

Courses of Instruction**Sc.105. Social Pathology.**

The aim here is to provide a broad analytical survey of Society as affected by the fundamental irritants which profoundly influence modern social life. These adverse forces, viz., poverty, mental disease, juvenile delinquency, and crime, are carefully considered as to their cause, extent, trend, intensity, and mutual interaction. By proposal of cases, class discussions, etc., current concrete problems in relation to the various agencies and methods available for their protection are indicated.

Tues., 4:30-6:15.

Four semester hours.

Prof. O'CONNELL, S.J.

Sc.107. Criminology and Penology.

This course deals with the causes, treatment, and prevention of criminality. Various theories of the etiology of crime will be critically discussed, including the views of outstanding modern schools. Penological and reformatory programs will be surveyed, also the reparative and preventive measures which aim at the moral, physical and social rehabilitation of criminals.

Offered 1950-51.

Four semester hours.

Prof. O'CONNELL, S.J.

Sc.115. Cultural Dynamics.

This course presents an exposition of the forces which historically have plotted the curve of social development. Outstanding theories will be analysed in terms of motivation or cause, and the effects noted in such institutions as art, architecture, music, education, law and religion. Special emphasis on the unilateral economic causation of Karl Marx and on Sorokin's three-fold gradation.

Four semester hours.

Prof. O'CONNELL, S.J.

Sc.123. Public Health.

A critical analysis of the fundamental importance of health, both as an asset to the individual and as a factor in social welfare. The social significance of health and the nature of health problems are discussed. Consideration is given to social prophylaxis and therapeutics. The aspects of hygiene which aim at combating disease of social origin by means of palliative, curative and preventive measures are treated. The modern socio-health movement; constructive programs in public health work advanced by health organizations and agencies.

Wed., 6:30-8:15.

Four semester hours.

Prof. HEFFERNAN

Sc. 125. Social Implication in Mental Disorganization.

An analysis of the various types of mental maladjustment. A consideration of the contribution of social factors in the etiology and treatment of mental disorders. Special attention will be given to mental hygiene and processes of rehabilitation. This course is of value to teachers, social workers and nurses.

Offered 1950-51.

Four semester hours.

Prof. HEFFERNAN

Sc. 127. Community Health Services.

An analysis of existing services as offered to the public and a practical interpretation of social conditions. The course considers programs for improvement, including Acts of legislation on State and Federal levels. The problems involved are: dental, accident, prevention, mental health, chronic and communicable diseases, geriatrics, diet therapy, sanitation, health education and health personnel. The magnitude of the problem in the community and how it is being met by the agencies will be studied.

Four semester hours.

Prof. HEFFERNAN

Sc. 161. Sociology of Political Institutions.

An analysis of social science in its political implications beginning with the Socratic influence and extending through the Christian era to the seventeenth century. Concepts are evaluated against the framework of the Christian state.

Four semester hours.

Prof. O'CONNELL, S.J.

Sc. 171. Rural-Urban Sociology.

A survey of two great population masses in terms of their natures, chief characteristics, dynamics, mutual interaction and general formative influence upon individuals and groups. Agricultural problems are considered especially as they supply cultural and functional connections between rural and urban communities.

Four semester hours.

Sc. 181. Social Ethics.

A comparative analysis of contemporary social mores, trends and attitudes. The significance and evaluation of conduct by the individual, family and community as affected by conditioning influences of ethical codes. This course should be of interest particularly to nurses, teachers, social workers and all who feel the need of guidance in matters involving professional secrets, morality of procedures, and the like.

Four semester hours.

Prof. O'CONNELL, S.J.

Sc. 201. Sociology of the Family.

This course introduces a rapid sketch of the family as it appears historically in different fundamental types. The main treatment will center upon the modern family as a societal unit, considering its origin, nature and purpose; prevalent trends which militate for or against family solidarity and effectiveness; a survey, as to content and value, of current analyses of recognized domestic problems, as for example, marriage, divorce, birth limitation, etc.

Offered 1950-51.

Four semester hours.

Prof. O'CONNELL, S.J.

Sc. 209. Genesis of Totalitarian Sociology.

A genetic survey of totalitarian trends from the seventeenth century to the present time. Basic principles of modern ideologies, e.g. Nazism, Fascism, and Communism, are indicated and developed from authors representative of the different cultural periods. Emphasis will be put upon the relevant concepts of such social scholars as Hobbes, Rousseau, and Marx.

Mon., 4:30-6:15.

Four semester hours.

Prof. O'CONNELL, S.J.

Sc.221. Social Problems.

In this course attention is focused on many problems which seem certain to appear with new or revived force in the immediate future. Unemployment, the value and direction of social controls, group insurance—indicate the nature of the course program.

Offered 1950-51.

Four semester hours.
Prof. O'CONNELL, S.J.

Sc.223. Modern Sociological Crises.

Contemporary institutional readjustments: a study of the aspirations and conflicts of interests between the labor, farm, industry, and commercial groups in the United States; the possible international implications.

Thurs., 4:30-6:15

Four semester hours.
Prof. MORIARTY, S.J.

Sc.225. History of Social Thought.

Development of ideologies prior to 1850. A survey of noteworthy social philosophers representative of various periods, evaluated as to content and influence. Extended analysis of individual thinkers or systems. This course provides a fitting background for a more detailed study of Sociology from Comte to the present time.

Offered 1950-51.

Four semester hours.
Prof. MORIARTY, S.J.

Sc.231. Sociology of Religion.

A comparative study of factors based on religion which supplied objectives in the Grecian, Roman and pre-Christian culture. The first semester extends through the early Christian period. Attention is concentrated on the social, economic and political patterns as modified by the religious dynamic. The second semester surveys the Christian era from the fifteenth century to the present time.

Fri., 4:30-6:15.

Four semester hours.
Prof. O'CONNELL, S.J.

Sc.301. Seminar.

The program is made up almost entirely of round table discussions. Short theses are prepared, read and discussed by the class members. In addition there are occasional lectures by the professor or guest-speakers prominent in their special field of social action.

Time to be arranged.

Four semester hours.
Prof. O'CONNELL, S.J.

Sc.303. Thesis Seminar.

Problems of research and thesis guidance, supplemented by individual conferences.

THE FACULTY

SCHEDULE OF CLASSES 1951-52

Classical Languages:

M	Roman Lit. Criticism, I (1st S)	2	Prof. McCauley, S.J.
	Roman Lit. Criticism, II (2nd S)	2	Prof. McCauley, S.J.
W	History of Greek Prose	4	Prof. McCauley, S.J.
Th	Plautus and Terence	4	Prof. McCauley, S.J.
S	Greek History	4	Prof. Marique, S.J.
	Cicero: Philosophical Essays	4	Prof. Maguire

Economics: (* denotes class beginning at 7:15 P.M.)

M	Microeconomics	4	Prof. Balling
	*Soc.-Ec. Theories of Cath. Church	4	Prof. McEwen, S.J.
	*Intermed. Economic Theory (1st S)	2	Prof. Joyce, S.J.
T	Discussion Seminar	2	Prof. Balling
	*Labor Economics	4	Prof. White
	*Internat. Ec. Relations	4	Prof. de Fabiny
W	Advanced Statistics	4	Prof. Scully
	*Macroeconomics (1st S)	2	Prof. White
	*Econ. Fluctuations (2nd S)	2	Prof. White
	*Production Statistics (1st S)	2	Prof. Scully
	*Marketing Statistics (2nd S)	2	Prof. Scully
Th	Money and Banking	4	Prof. Fabinyi
	*Public Finance	4	Prof. Fabinyi
	*Industrial Org. & Control	4	Prof. Albery
F	Comparative Ec. Systems (1st S)	2	Prof. Petery
	Ec. Mobilization for Crises (2nd S)	2	Prof. Petery
S	History of Ec. Thought	4	Prof. Joyce, S.J.

Education: (* denotes class beginning at 3:30 P.M.; ** at 7:15 P.M.)

M	*Growth of Elem. Sch. Child	2	Sister Josephina, S.S.J.
	Methods in Elem. Ed. (1st S)	2	Prof. Reilly
	Curriculum Development (2nd S)	2	Prof. Reilly
	Methodology and Research (1st S)	2	Prof. Donovan, S.J.
	Educational Statistics (2nd S)	3	Sister Josephina, S.S.J.
	**Audio-Visual Aids (1st S)	2	Prof. Murphy
	**Contem. Prob. in Ed. (2nd S)	2	Prof. Donovan, S.J.
T	*Audio-Visual Aids	2	Prof. Murphy
	Teaching in Sec. Schools (1st S)	2	Prof. Guindon
	Dynamic Factors (2nd S)	2	Prof. Moynihan
	Jesuit Liberal Education (1st S)	2	Prof. McCabe, S.J.
	Effective Speech (2nd S)	2	Prof. McCabe, S.J.
W	*Classroom Methods	6	Prof. O'Loughlin, Sister Josephina, S.S.J.
	Tests and Measurements (1st S)	2	Sister Josephina, S.S.J.
	Psychometrics (2nd S)	2	Sister Josephina, S.S.J.
	Fine Arts for Teachers	4	Prof. Rousseve
	**Clinical Child Guid. (1st S)	2	Prof. Moynihan, S.J.
	**History of Am. Ed. (2nd S)	2	Prof. Guindon

Numbers indicate semester hours.

Th	*Teaching Mod. Languages	2 Faculty
	Legal Aspects of Pub. Sch. Admin.	4 Prof. O'Keefe
	Philosophy of Ed., I (1st S)	2 Prof. Donovan, S.J.
	Mod. Ed. Thought (2nd S)	2 Prof. Donovan, S.J.
F	*Educational Classics	2 Prof. Guindon
	Gen. School Administration (1st S)	2 Prof. Welch
	Problems in Sch. Admin. (2nd S)	2 Prof. Welch
	Reading in Elem. School (1st S)	2 Prof. McKeon
	Diag. & Remed. Tech. in Reading (2nd S)	2 Prof. McKeon
	Educational Statistics (1st S)	3 Sister Josephina, S.S.J.
	Vocational Infor. & Pl. (2nd S)	2 Prof. Buckley
	**Prob. in Reading in Upper Gr. (1st S)	2 Prof. McKeon
	**Soc. Psych. & Ed. (2nd S)	2 Prof. Nowlan, S.J.
S	Principles of Guidance (1st S)	3 Prof. Moynihan, S.J.
	Counseling Process (2nd S)	3 Prof. Moynihan, S.J.
	Principles of Teaching	4 Prof. Reilly
	Educational Psychology (1st S)	2 Prof. Buckley
	Supervision (2nd S)	2 Sister Josephina, S.S.J.
	Teaching Dev. Pupils	4 Prof. McKeon

English:

M	Mediaeval Literature	4 Prof. Grace, S.J.
	Milton	4 Prof. Hirsh
	Victorian Prose	4 Prof. O'Callaghan, S.J.
T	Shakespeare	4 Prof. Johnson, S.J.
	Non-Dram. Lit. of Renaissance	4 Prof. Duhamel
W	Middle English Literature	4 Prof. Grace, S.J.
	Chaucer	4 Prof. Hirsh
	Pre-Romantic Movement (1st S)	2 Prof. Cadigan, S.J.
	Romantic Movement (2nd S)	2 Prof. Cadigan, S.J.
Th	Drama, 1500-1642	4 Prof. Johnson, S.J.
	Literary Criticism	4 Prof. Duhamel
F	Seventeenth Century Poetry	4 Prof. Bernhardt, S.J.
	American Literature	4 Prof. Dwyer, S.J.
S	Mediaeval Drama	4 Prof. Grace, S.J.
	Grammar, Analyt. & Hist. (1st S)	2 Prof. Duhamel
	Prose of Seventeenth Century (2nd S)	2 Prof. Duhamel
	Age of Johnson	4 Prof. Hirsh
	Bibliography and Method	2 Prof. Johnson, S.J.

Gaelic:

M	Survey of Gaelic Lit.	4 Prof. Murphy, S.J.
W	Eng. Novel in Ireland (1st S)	2 Prof. Murphy, S.J.
	Contemp. Irish Drama (2nd S)	2 Prof. Murphy, S.J.

History and Government:

M	U. S. History, 1730-1765 (1st S)	3 Prof. Gargan
	Background of Am. Rev. (2nd S)	3 Prof. Gargan
T	English History to 1485	4 Prof. Daly

Numbers indicate semester hours.

TF	Science and Method (1st S)	6	Prof. Burke, S.J.
W	Am. Rev. & Aftermath (1st S)	3	Prof. Gargan
	Federalist Era (2nd S)	3	Prof. Gargan
Th	History of Far East	4	Prof. Mahoney
S	Comp. Modern Governments	4	Prof. Heffron
	Greek History	4	Prof. Marique, S.J.
Mathematics:			
MW	Reimannian Geometry	6	Prof. Marcou
	Complex Variable	6	Prof. Haefeli
F	Applied Mathematics	6	Prof. Marcou
S	Modern Algebra	6	Prof. Haefeli
Philosophy:			
M	Plato	4	Prof. Folkard
	Catholic Social Philosophy	4	Prof. McEwen, S.J.
T	St. Thomas	4	Prof. McCarthy, S.J.
W	Mediaeval Philosophy (1st S)	2	Prof. Flaherty, S.J.
TF	Methodology	6	Prof. Burke, S.J.
	Aristotle	4	Prof. Maguire
	Problem of Cognition (1st S)	2	Prof. Keating, S.J.
	Spinoza	2	Prof. Keating, S.J.
Th	Modern Philosophy	4	Prof. Duncan, S.J.
F	Philosophy & Science (1st S)	2	Prof. Kelly, S.J.
	Mediaeval Philosophy (2nd S)	2	Prof. Kelly, S.J.
	Kant (1st S)	2	Prof. Hinchey, S.J.
	St. Augustine (2nd S)	2	Prof. Hinchey, S.J.
S	Roman Philosophy	4	Prof. Maguire
Romance Languages: (* denotes class beginning at 3:30 P.M.)			
M	Contemporary Fr. Literature	4	Prof. Gauthier, S.J.
T	Romanticism in Spain	4	Prof. Siciliano
W	Romanticism in France	4	Prof. Ledoux
Th	*Problems of Teaching Mod. Lang.	2	Faculty
	Picaresque Novel in Sp. Lit.	4	Prof. Ryan
S	Mod. Xtian Revival in Fr. Lit.	4	Prof. McCrossen
	Cervantes and <i>Quijote</i>	4	Prof. Ryan
	Methodology and Research (1st S)	2	Prof. Gauthier, S.J.
Sociology: (* denotes class beginning at 6:30 P.M.)			
M	Totalitarian Sociology	4	Prof. O'Connell, S.J.
T	Social Pathology	4	Prof. O'Connell, S.J.
W	*Public Health	4	Prof. Heffernan
Th	Mod. Soc. Crises	4	Prof. Moriarty, S.J.
F	Sociology of Religion	4	Prof. O'Connell, S.J.
Science:			
	Biology (By arrangement)		
	Chemistry (By arrangement)		
	Geophysics (By arrangement)		
	Physics (By arrangement)		

Numbers indicate semester hours.

BOSTON COLLEGE

GENERAL DIRECTORY

1951-1952



JOSEPH R. N. MAXWELL, S.J.

President

University Heights, Chestnut Hill 67, Mass.

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University Heights, Chestnut Hill 67, Mass.

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